



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 194076

TO: Chun Crowder
Location: rem/3B59/3C70
Art Unit: 1644
Thursday, June 29, 2006
Case Serial Number: 10/687118

From: Willis McCumber
Location: Biotech-Chem Library
REM-1A75
Phone: (571)272-2697

willis.mccumber@uspto.gov

Search Notes

Examiner Crowder,

See attached results.

If you have any questions about this search feel free to contact me at any time.

Thank you for using STIC search services.

Willis McCumber
ASRC Aerospace Corporation
Library Technician
STIC Biotech/Chem Library
(571)272-2697

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GenCore version 5.1.9
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OM protein - protein search, using sw model

Run on: June 28, 2006, 17:36:38 ; Search time 15.9879 Seconds
(without alignments)
667.926 Million cell updates/sec

Title: US-10-687-118-1

Perfect score: 653
Sequence: 1 QVQLVESGGGVQPPGRSLRL.....FGSQSPGHVWGQTLTVSS 122

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 650591-seqs, 87530628 residues

Total number of hits satisfying chosen parameters: 650591

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents_AA.*
1: /EMC_Celerra_SIDS3/plodata/2/1aa/5.COMB.pep.*
2: /EMC_Celerra_SIDS3/plodata/2/1aa/6.COMB.pep.*
3: /EMC_Celerra_SIDS3/plodata/2/1aa/7.COMB.pep.*
4: /EMC_Celerra_SIDS3/plodata/2/1aa/H.COMB.pep.*
5: /EMC_Celerra_SIDS3/plodata/2/1aa/PTUS.COMB.pep.*
6: /EMC_Celerra_SIDS3/plodata/2/1aa/RE.COMB.pep.*
7: /EMC_Celerra_SIDS3/plodata/2/1aa/backfile1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	641	98.2	141	1	US-08-259-372A-2
2	641	98.2	141	1	US-08-468-671-2
3	532.5	81.5	115	2	US-09-269-332-89
4	523.5	80.2	120	1	US-07-942-245-35
5	522.5	80.0	225	2	US-09-456-090A-60
6	522.5	80.0	225	2	US-09-456-090A-92
7	522.5	80.0	225	2	US-09-453-234-60
8	522.5	80.0	225	2	US-09-453-234-92
9	521.5	79.9	225	2	US-09-456-090A-108
10	521.5	79.9	225	2	US-09-453-234-108
11	518.5	79.4	119	1	US-08-331-388A-46
12	518.5	79.4	119	1	US-08-331-387B-46
13	518.5	79.4	119	1	US-08-759-804A-46
14	518.5	79.4	119	1	US-09-227-693-46
15	517	79.2	248	2	US-09-315-926A-80
16	517	79.2	463	2	US-09-472-087-1
17	517	79.2	463	2	US-09-472-087-63
18	517	79.2	463	2	US-09-472-087-64
19	516.5	79.1	123	2	US-09-560-188A-2
20	516.5	79.1	225	2	US-09-456-090A-102
21	516.5	79.1	225	2	US-09-456-090A-106
22	516.5	79.1	225	2	US-09-453-234-102
23	516.5	79.1	225	2	US-09-453-234-106
24	516.5	79.1	451	2	US-09-472-087-70
25	515.5	78.9	115	2	US-09-534-717-35
26	515.5	78.9	119	2	US-09-644-668A-23

27	514.5	78.8	225	2	US-09-456-090A-56	Sequence 56, Appl
28	514.5	78.8	225	2	US-09-456-090A-110	Sequence 110, Appl
29	514.5	78.8	225	2	US-09-453-234-56	Sequence 56, Appl
30	514.5	78.8	225	2	US-09-453-234-110	Sequence 110, Appl
31	513	78.6	118	2	US-09-644-668A-17	Sequence 17, Appl
32	511	78.3	118	2	US-09-644-668A-19	Sequence 19, Appl
33	510.5	78.2	123	2	US-09-560-188A-10	Sequence 10, Appl
34	509.5	78.0	123	2	US-09-560-188A-4	Sequence 4, Appl
35	509	77.9	463	2	US-09-472-087-4	Sequence 68, Appl
36	509	77.9	463	2	US-09-472-087-68	Sequence 24, Appl
37	508.5	77.9	125	2	US-09-240-274-24	Sequence 24, Appl
38	508.5	77.9	125	2	US-09-848-798-24	Sequence 24, Appl
39	508.5	77.9	225	2	US-09-456-090A-94	Sequence 94, Appl
40	508.5	77.9	225	2	US-09-453-234-94	Sequence 94, Appl
41	507.5	77.7	115	2	US-09-534-717-33	Sequence 33, Appl
42	507.5	77.7	115	2	US-09-534-717-39	Sequence 39, Appl
43	507.5	77.7	115	2	US-09-534-717-41	Sequence 41, Appl
44	507.5	77.7	117	2	US-09-025-769B-24	Sequence 24, Appl
45	507.5	77.7	117	2	US-09-490-070A-24	Sequence 24, Appl

ALIGNMENTS

RESULT 1
US-08-259-372A-2
Sequence 2, Application US/08259372A
Patent No. 5565354
GENERAL INFORMATION:
APPLICANT: Ostberg, Lars G.
TITLE OF INVENTION: PRODUCTION OF HUMAN MONOCLONAL
TITLE OF INVENTION: ANTIBODIES SPECIFIC FOR HEPATITIS B SURFACE ANTIGEN
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth floor
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/259,372A
FILING DATE: 14-JUN-1994
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/871,426
FILING DATE: 21-APR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/676,036
FILING DATE: 27-MAR-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/538,796
FILING DATE: 15-JUN-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/192,754
FILING DATE: 11-MAY-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 06/925,196
FILING DATE: 31-OCT-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 06/904,517
FILING DATE: 05-SEP-1986
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 11823-50-7
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 326-2400

TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 141 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-259-372A-2

Query Match 98.2%; Score 641; DB 1; Length 141;
Best Local Similarity 98.4%; Pred. No. 3e-53;
Matches 120; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 QVQLVESGGGVQPGGSLRLSCAASGFTFSRYGMHWROAPGKGLEWVAIVSYDGSNKMY 60
DB 20 QVQLVESGGGVQPGGSLRLSCAASGFTFSRYGMHWROAPGKGLEWVAIVSYDGSNKMY 79
QY 61 ADSVKGRFTISRDNKNTFLQWHSIRADTGVIYFCAKQOLYFGSQSPGHYWGQTLVTV 120
DB 80 ADSVKGRFTISRDNKNTFLQWHSIRADTGVIYCAKDQLYFGSQSPGHYWGQTLVTV 139
QY 121 SS 122
DB 140 SS 141

RESULT 2

US-08-468-671-2
Sequence 2, Application US/08468671
Patent No. 5648077

GENERAL INFORMATION:
APPLICANT: Oseberg, Lars G.
TITLE OF INVENTION: PRODUCTION OF HUMAN MONOCLONAL
TITLE OF INVENTION: ANTIBODIES SPECIFIC FOR HEPATITIS B SURFACE ANTIGEN
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/468,671
FILING DATE: 06-JUN-1995
CLASSIFICATION: 424

PRIOR APPLICATION NUMBER:
APPLICATION NUMBER: US 08/259,372
FILING DATE: 14-JUN-1994
APPLICATION NUMBER: US 07/871,426
FILING DATE: 21-APR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/676,036
FILING DATE: 27-MAR-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/538,796
FILING DATE: 15-JUN-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/192,754
FILING DATE: 11-MAY-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 06/925,196
FILING DATE: 31-OCT-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 06/904,517
FILING DATE: 05-SEP-1986
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.

REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 11823-50-7
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 326-2400
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 141 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-468-671-2

Query Match 98.2%; Score 641; DB 1; Length 141;
Best Local Similarity 98.4%; Pred. No. 3e-53;
Matches 120; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 QVQLVESGGGVQPGGSLRLSCAASGFTFSRYGMHWROAPGKGLEWVAIVSYDGSNKMY 60
DB 20 QVQLVESGGGVQPGGSLRLSCAASGFTFSRYGMHWROAPGKGLEWVAIVSYDGSNKMY 79
QY 61 ADSVKGRFTISRDNKNTFLQWHSIRADTGVIYFCAKQOLYFGSQSPGHYWGQTLVTV 120
DB 80 ADSVKGRFTISRDNKNTFLQWHSIRADTGVIYCAKDQLYFGSQSPGHYWGQTLVTV 139
QY 121 SS 122
DB 140 SS 141

RESULT 3

US-09-269-332-89
Sequence 89, Application US/09269332
Patent No. 6903194

GENERAL INFORMATION:
APPLICANT: SATO, KOH
APPLICANT: WAKAHARA, YUJI
TITLE OF INVENTION: ANTIBODY AGAINST HUMAN PARATHORMONE RELATED PEPTIDES
FILE REFERENCE: 04853-0033
CURRENT APPLICATION NUMBER: US/09/269,332
CURRENT FILING DATE: 1999-03-25
PRIOR APPLICATION NUMBER: PCT/JP97/03362
PRIOR FILING DATE: 1997-09-24
PRIOR APPLICATION NUMBER: JP 255196/1996
PRIOR FILING DATE: 1996-09-26
PRIOR APPLICATION NUMBER: JP 214168/1997
PRIOR FILING DATE: 1997-07-24
NUMBER OF SEQ ID NOS: 113
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 89
LENGTH: 115
TYPE: PRT
ORGANISM: Homo sapiens
US-09-269-332-89

Query Match 81.5%; Score 532.5; DB 2; Length 115;
Best Local Similarity 84.4%; Pred. No. 4.2e-43;
Matches 103; Conservative 6; Mismatches 6; Indels 7; Gaps 1;

QY 1 QVQLVESGGGVQPGGSLRLSCAASGFTFSRYGMHWROAPGKGLEWVAIVSYDGSNKMY 60
DB 1 QVQLVESGGGVQPGGSLRLSCAASGFTFSYAMHWROAPGKGLEWVAIVSYDGSNKMY 60
QY 61 ADSVKGRFTISRDNKNTFLQWHSIRADTGVIYFCAKQOLYFGSQSPGHYWGQTLVTV 120
DB 61 ADSVKGRFTISRDNKNTFLQWHSIRADTGVIYCAR-----ESRDYWGQTLVTV 113
QY 121 SS 122
DB 114 SS 115


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RESULT 4
US-07-942-245-35
; Sequence 35, Application US/07942245
; Patent No. 5639641
; GENERAL INFORMATION:
; APPLICANT: PEDERSEN, Jan T.
; APPLICANT: SEARLE, Stephen M.J.
; APPLICANT: REES, Anthony R.
; APPLICANT: ROGUSKA, Michael A.
; APPLICANT: GUILD, Braydon C.
; TITLE OF INVENTION: SURFACE RESIDUE VENERING OF RODENT
; NUMBER OF SEQUENCES: 522
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sughrie, Mion, Zimm, Macpeak & Seas
; STREET: 2100 Pennsylvania Avenue, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: United States
; ZIP: 20037-3202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: HP 9000/700 Workstation
; OPERATING SYSTEM: UNIX
; SOFTWARE: In house
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/942,245
; FILING DATE: 09-SEP-1992
; CLASSIFICATION: 530
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 293-7060
; TELEFAX: (202) 293-7860
; TELEX: 6491103
; INFORMATION FOR SEQ ID NO: 35:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 120 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-07-942-245-35.

Query Match      80.2%; Score 523.5; DB 1; Length 120;
Best Local Similarity 84.3%; Pred. No. 3.1e-42;
Matches 102; Conservative 8; Mismatches 10; Indels 1; Gaps 1;

QY 1 QVQLVESGGGVQPGKSLRLSCAASGFTFSRYGMHWYROAPGKGLEWVAIVSYGSKNKY 60
DB 1 QVQLVESGGGVQPGKSLRLSCAASGFTFSRYGMHWYROAPGKGLEWVAIVSYGSKNKY 60
QY 61 ADSVKGRTISRDNKNTLFLQMSLRADTGYVFCADQDLYFGSQSPGHYWGQGLTVT 120
DB 61 ADSVKGRTISRDNKNTLFLQMSLRADTGYVFCADQDLYFGSQSPGHYWGQGLTVT 119
QY 121 S 121
DB 120 S 120

RESULT 5
US-09-456-090A-60
; Sequence 60, Application US/09456090A
; Patent No. 6680209
; GENERAL INFORMATION:
; APPLICANT: Buechler, Joe
; APPLICANT: Valkirs, Gunars
; APPLICANT: Gray, Jeff
; TITLE OF INVENTION: HUMAN ANTIBODIES AS DIAGNOSTIC REAGENTS
; FILE REFERENCE: 020015-000200US
; CURRENT APPLICATION NUMBER: US/09/456,090A
; CURRENT FILING DATE: 1999-12-06
; NUMBER OF SEQ ID NOS: 110
; SOFTWARE: PatentIn Ver. 2.1
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; SEQ ID NO 60
; LENGTH: 225
; TYPE: PRT
; ORGANISM: Homo sapiens
; OTHER INFORMATION: M1-5H
US-09-456-090A-60

Query Match      80.0%; Score 522.5; DB 2; Length 225;
Best Local Similarity 82.1%; Pred. No. 7.5e-42;
Matches 101; Conservative 8; Mismatches 7; Indels 7; Gaps 2;

QY 1 QVQLVESGGGVQPGKSLRLSCAASGFTFSRYGMHWYROAPGKGLEWVAIVSYGSKNKY 60
DB 1 QVQLVESGGGVQPGKSLRLSCAASGFTFSRYGMHWYROAPGKGLEWTLITVYDGNKYY 60
QY 61 ADSVKGRTISRDNKNTLFLQMSLRADTGYVFCADQDLYFGSQSPGHYWGQGLTVT 119
DB 61 ADSVKGRTISRDNKNTLFLQMSLRADTGYVFCADQDLYFGSQSPGHYWGQGLTVT 114
QY 120 VSS 122
DB 115 VSS 117

RESULT 6
US-09-456-090A-92
; Sequence 92, Application US/09456090A
; Patent No. 6680209
; GENERAL INFORMATION:
; APPLICANT: Buechler, Joe
; APPLICANT: Valkirs, Gunars
; APPLICANT: Gray, Jeff
; TITLE OF INVENTION: HUMAN ANTIBODIES AS DIAGNOSTIC REAGENTS
; FILE REFERENCE: 020015-000200US
; CURRENT APPLICATION NUMBER: US/09/456,090A
; CURRENT FILING DATE: 1999-12-06
; NUMBER OF SEQ ID NOS: 110
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 92
; LENGTH: 225
; TYPE: PRT
; ORGANISM: Homo sapiens
; OTHER INFORMATION: M2-11H
US-09-456-090A-92

Query Match      80.0%; Score 522.5; DB 2; Length 225;
Best Local Similarity 82.1%; Pred. No. 7.5e-42;
Matches 101; Conservative 8; Mismatches 7; Indels 7; Gaps 2;

QY 1 QVQLVESGGGVQPGKSLRLSCAASGFTFSRYGMHWYROAPGKGLEWVAIVSYGSKNKY 60
DB 1 QVQLVESGGGVQPGKSLRLSCAASGFTFSRYGMHWYROAPGKGLEWTLITVYDGNKYY 60
QY 61 ADSVKGRTISRDNKNTLFLQMSLRADTGYVFCADQDLYFGSQSPGHYWGQGLTVT 119
DB 61 ADSVKGRTISRDNKNTLFLQMSLRADTGYVFCADQDLYFGSQSPGHYWGQGLTVT 114
QY 120 VSS 122
DB 115 VSS 117

RESULT 7
US-09-453-234-60
; Sequence 60, Application US/09453234
; Patent No. 6794132
; GENERAL INFORMATION:
; APPLICANT: Buechler, Joe
; APPLICANT: Valkirs, Gunars
; APPLICANT: Gray, Jeff
; TITLE OF INVENTION: HUMAN ANTIBODIES AS DIAGNOSTIC REAGENTS
; FILE REFERENCE: 020015-000200US
; CURRENT APPLICATION NUMBER: US/09/453,234
; CURRENT FILING DATE: 1999-12-06
; NUMBER OF SEQ ID NOS: 110
; SOFTWARE: PatentIn Ver. 2.1
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; APPLICANT: GenPharm International
; TITLE OF INVENTION: Human Antibodies
; FILE REFERENCE: 020015-000110US
; CURRENT APPLICATION NUMBER: US/09/453,234
; PRIOR FILING DATE: 1999-12-01
; PRIOR APPLICATION NUMBER: US 60/157,415
; PRIOR FILING DATE: 1999-10-02
; NUMBER OF SEQ ID NOS: 112
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 60
; LENGTH: 225
; TYPE: PRT
; ORGANISM: Homo sapiens
; OTHER INFORMATION: M1-5H
US-09-453-234-60
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```

Query Match      80.0%; Score 522.5; DB 2; Length 225;
Best Local Similarity 82.1%; Pred. No. 7.5e-42;
Matches 101; Conservative 8; Mismatches 7; Indels 7; Gaps 2;
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QY 1 QVQLVESGGGVVQPGKSLRLSCAASGFTFSRYGMHWVROAPGKGLEWVAIVSYDGSNKMY 60
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DB 1 QVQLVESGGGVVQPGKSLRLSCAASGFTFSYGMHWVROAPGKGLEWVTLITYDGDKYY 60
    |||||
QY 61 ADSVKGRFTISRDNKNTFLQWHSLRADTGVYFCAKQDL-YFGSQSPGHYWGQGLVT 119
    |||||
DB 61 ADSVKGRFTISRDNKNTFLQWNSLRADTAVYYCARDIGYF-----DYWGQGLVT 114
    |||||
QY 120 VSS 122
    |||
DB 115 VSS 117
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RESULT 8

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US-09-453-234-92
; Sequence 92, Application US/09453234
; Patent No. 6794132
; GENERAL INFORMATION:
; APPLICANT: Buechler, Joe
; APPLICANT: Walkiers, Gunars
; APPLICANT: Gray, Jeff
; APPLICANT: Lomborg, Nils
; APPLICANT: Biosite Diagnostics, Inc.
; APPLICANT: GenPharm International
; TITLE OF INVENTION: Human Antibodies
; FILE REFERENCE: 020015-000110US
; CURRENT APPLICATION NUMBER: US/09/453,234
; CURRENT FILING DATE: 1999-12-01
; PRIOR APPLICATION NUMBER: US 60/157,415
; PRIOR FILING DATE: 1999-10-02
; NUMBER OF SEQ ID NOS: 112
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 92
; LENGTH: 225
; TYPE: PRT
; ORGANISM: Homo sapiens
; OTHER INFORMATION: M2-11H
US-09-453-234-92
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Query Match      80.0%; Score 522.5; DB 2; Length 225;
Best Local Similarity 82.1%; Pred. No. 7.5e-42;
Matches 101; Conservative 8; Mismatches 7; Indels 7; Gaps 2;
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QY 1 QVQLVESGGGVVQPGKSLRLSCAASGFTFSRYGMHWVROAPGKGLEWVAIVSYDGSNKMY 60
    |||||
DB 1 QVQLVESGGGVVQPGKSLRLSCAASGFTFSYGMHWVROAPGKGLEWVTLITYDGDKYY 60
    |||||
QY 61 ADSVKGRFTISRDNKNTFLQWHSLRADTGVYFCAKQDL-YFGSQSPGHYWGQGLVT 119
    |||||
DB 61 ADSVKGRFTISRDNKNTFLQWNSLRADTAVYYCARDIGYF-----DYWGQGLVT 114
    |||||
QY 120 VSS 122
    |||
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DB 115 VSS 117
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RESULT 9

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US-09-456-090A-108
; Sequence 108, Application US/09456090A
; Patent No. 6680209
; GENERAL INFORMATION:
; APPLICANT: Buechler, Joe
; APPLICANT: Walkiers, Gunars
; APPLICANT: Gray, Jeff
; APPLICANT: Lomborg, Nils
; TITLE OF INVENTION: HUMAN ANTIBODIES AS DIAGNOSTIC REAGENTS
; FILE REFERENCE: 020015-000200US
; CURRENT APPLICATION NUMBER: US/09/456,090A
; CURRENT FILING DATE: 1999-12-06
; NUMBER OF SEQ ID NOS: 110
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 108
; LENGTH: 225
; TYPE: PRT
; ORGANISM: Homo sapiens
; OTHER INFORMATION: M2-34H
US-09-456-090A-108
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Query Match      79.9%; Score 521.5; DB 2; Length 225;
Best Local Similarity 82.1%; Pred. No. 9.3e-42;
Matches 101; Conservative 8; Mismatches 7; Indels 7; Gaps 2;
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QY 1 QVQLVESGGGVVQPGKSLRLSCAASGFTFSRYGMHWVROAPGKGLEWVAIVSYDGSNKMY 60
    |||||
DB 1 QVQLVESGGGVVQPGKSLRLSCAASGFTFSYGIHWVROAPGKGLEWVTLITYDGDKYY 60
    |||||
QY 61 ADSVKGRFTISRDNKNTFLQWHSLRADTGVYFCAKQDL-YFGSQSPGHYWGQGLVT 119
    |||||
DB 61 ADSVKGRFTISRDNKNTFLQWNSLRADTAVYYCARDIGYF-----DYWGQGLVT 114
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QY 120 VSS 122
    |||
DB 115 VSS 117
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RESULT 10

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US-09-453-234-108
; Sequence 108, Application US/09453234
; Patent No. 6794132
; GENERAL INFORMATION:
; APPLICANT: Buechler, Joe
; APPLICANT: Walkiers, Gunars
; APPLICANT: Gray, Jeff
; APPLICANT: Lomborg, Nils
; APPLICANT: Biosite Diagnostics, Inc.
; APPLICANT: GenPharm International
; TITLE OF INVENTION: Human Antibodies
; FILE REFERENCE: 020015-000110US
; CURRENT APPLICATION NUMBER: US/09/453,234
; CURRENT FILING DATE: 1999-12-01
; PRIOR APPLICATION NUMBER: US 60/157,415
; PRIOR FILING DATE: 1999-10-02
; NUMBER OF SEQ ID NOS: 112
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 108
; LENGTH: 225
; TYPE: PRT
; ORGANISM: Homo sapiens
; OTHER INFORMATION: M2-34H
US-09-453-234-108
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Query Match      79.9%; Score 521.5; DB 2; Length 225;
Best Local Similarity 82.1%; Pred. No. 9.3e-42;
Matches 101; Conservative 8; Mismatches 7; Indels 7; Gaps 2;
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QY 1 QVQLVESGGGVVQPGKSLRLSCAASGFTFSRYGMHWVROAPGKGLEWVAIVSYDGSNKMY 60
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Db 1 0VELVESGGGVQPGRSRLRLSCAASGFTFSYGMHWVRQAPGKLEWVAVISYDGSNKXY 60
QY 61 ADVSGRGTTRSDNSKNTLFLQMSLRADPGVYCAADQ--YFSGSOSGHWGGCTLV 119
Db 61 ADVSGRGTTRSDNSKNTLFLQMSLRADPGVYCAADQVYCAADWIGYF-----DYWGQCTLV 114
QY 120 VSS 122
Db 115 VSS 117

RESULT 11
US-08-331-398A-46
; Sequence 46, Application US/08331398A
; Patent No. 5608039
; GENERAL INFORMATION:
; APPLICANT: Pastan, Ira
; APPLICANT: Willingham, Mark
; APPLICANT: Fitzgerald, David
; APPLICANT: Brinkmann, Ulrich
; APPLICANT: Pai, Lee
; TITLE OF INVENTION: Single Chain B3 Antibody Fusion Proteins
; TITLE OF INVENTION: and Their Uses (as amended)
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew
; STREET: One Market Plaza, Stewart Street Plaza
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105-1492
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/331.398A
; FILING DATE: 28-OCT-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/767,331
; FILING DATE: 30-SEP-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/596,289
; FILING DATE: 12-OCT-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Hunter, Tom
; REGISTRATION NUMBER: 38,498
; REFERENCE/DOCKET NUMBER: 015280-126110US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 543-9600
; TELEFAX: (415) 543-5043
; INFORMATION FOR SEQ ID NO: 46:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 119 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FEATURE:
; NAME/KEY: Protein
; LOCATION: 1..119
; OTHER INFORMATION: /note= "Human fetal immunoglobulin
; OTHER INFORMATION: 56Pl'CL Variable Heavy Chain (V-H)"
US-08-331-398A-46

Query Match 79.4%; Score 518.5; DB 1; Length 119;
Best Local Similarity 81.6%; Pred. No. 9.1e-42;
Matches 102; Conservative 6; Mismatches 8; Indels 9; Gaps 2;

QY 1 0VELVESGGGVQPGRSRLRLSCAASGFTFSYGMHWVRQAPGKLEWVAVISYDGSNKXY 60

Db 1 0VELVESGGGVQPGRSRLRLSCAASGFTFSYGMHWVRQAPGKLEWVAVISYDGSNKXY 60
QY 61 ADVSGRGTTRSDNSKNTLFLQMSLRADPGVYCAADQ--LYFSGSOPGHYGGCTLV 117
Db 61 ADVSGRGTTRSDNSKNTLFLQMSLRADPGVYCAADQVYCAADWIGYF-----DYWGQCTLV 114
QY 118 VTSS 122
Db 115 VTSS 119

RESULT 12
US-08-331-397B-46
; Sequence 46, Application US/08331397B
; Patent No. 5981726
; GENERAL INFORMATION:
; APPLICANT: Pastan, Ira
; APPLICANT: Benhar, Itai
; TITLE OF INVENTION: Chimeric and Mutationally Stabilized Tumor-
; TITLE OF INVENTION: Specific Antibody Fragments, Fusion Proteins, and Uses
; TITLE OF INVENTION: Thereof
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew
; STREET: One Market Plaza, Stewart Street Plaza
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105-1492
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/331.397B
; FILING DATE: 28-OCT-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/767,331
; FILING DATE: 30-SEP-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/596,289
; FILING DATE: 12-OCT-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Hunter, Tom
; REGISTRATION NUMBER: 38,498
; REFERENCE/DOCKET NUMBER: 015280-126120US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 543-9600
; TELEFAX: (415) 543-5043
; INFORMATION FOR SEQ ID NO: 46:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 119 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FEATURE:
; NAME/KEY: Protein
; LOCATION: 1..119
; OTHER INFORMATION: /note= "Human fetal immunoglobulin
; OTHER INFORMATION: 56Pl'CL Variable Heavy Chain (V-H)"
US-08-331-397B-46

Query Match 79.4%; Score 518.5; DB 1; Length 119;
Best Local Similarity 81.6%; Pred. No. 9.1e-42;
Matches 102; Conservative 6; Mismatches 8; Indels 9; Gaps 2;

QY 1 0VELVESGGGVQPGRSRLRLSCAASGFTFSYGMHWVRQAPGKLEWVAVISYDGSNKXY 60
Db 1 0VELVESGGGVQPGRSRLRLSCAASGFTFSYGMHWVRQAPGKLEWVAVISYDGSNKXY 60

Oy		61	ADSVAGRFITSRDINSKNTLFLQMSLRADTGYPCAKQG---	LYFSQSFGHYWGQGL	117
			:		
Dd		61	ADVAGRFTISRDNSKNTLYLQMSLRADETAYYCARARATYYF-----	DYWGGTL	114
Oy					
Dd					
Oy		118	VTVSS	122	
Dd		115	VTVSS	119	

RESULT 13
US-08-759

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: Sequence#46, Application US/08759804A
: Patent No. 5990296
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: GENERAL INFORMATION:
: APPLICANT: Pastan, Ira
: APPLICANT: Willingham, Mark
: APPLICANT: FitzGerald, David J.
: APPLICANT: Brinkmann, Ulrich
: APPLICANT: Pai, Lee
: TITLE OF INVENTION: Tumor-Specific Antibody Fragments,
: TITLE OF INVENTION: Fusion Proteins, and Uses Thereof
: NUMBER OF SEQUENCES: 68
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Townsend and Townsend and Crew LLP
: STREET: Two Embarcadero Center, Eighth Floor
: CITY: San Francisco
: STATE: California
: COUNTRY: USA
: ZIP: 94111-3834
:
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patent In Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/759,804A
: FILING DATE: 03-DEC-1996
: CLASSIFICATION: 536
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/331,398
: FILING DATE: 28-OCT-1994
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 07/767,331
: FILING DATE: 30-SEP-1991
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 07/596,289
: FILING DATE: 12-OCT-1990
: ATTORNEY/AGENT INFORMATION:
: NAME: Weber, Ellen L.
: REGISTRATION NUMBER: 32,762
: REFERENCE/DOCKET NUMBER: 015800-126140US
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (415) 576-0200
: TELEFAX: (415) 576-0300
: INFORMATION FOR SEQ ID NO: 46:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 119 amino acids
: TYPE: amino acid
: STRANDEDNESS:
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: FEATURE:
: NAME/KEY: Protein
: LOCATION: 1..119
: OTHER INFORMATION: /note="Human fetal immunoglobulin
: OTHER INFORMATION: 56Pl, CL Variable Heavy chain (V-H)"
:
: US-08-759-804A-46

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Query March	79.4%	Score 518.5	DB 1	Length 119
Best Local Similarity	81.6%	Pred. NO. 9.1e-42		
Matches 102; Conservative	6	Mismatches 8	Indels 9	Gaps 2

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Db	1	QVELVESGGGVVQPGSRRLSLCAASGFSSVAHMRVAPRGKLEMAVAIVSYDGSNKYY	60
	:	: :: :	
Oy	61	ADSVKRFPIISPDNSKNTLYLOMHSLRADPVGVPFCAMD---LYPSQSAGHWGGTL	117
	:	: :: :	
Db	61	ADSVKRFPIISPDNSKNTLYLOMHSLRADPAVVCARSAKYTF-----DYWGQGLT	114
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Oy	118	VTVSS	122
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Db	115	VTVSS	119

RESULT 14

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US-09-227-693-46
; Sequence 46, Application US/09227693
; Patent No. 6287562
GENERAL INFORMATION:
APPLICANT: PASTAN, Ira
APPLICANT: BENHAR, Itai
APPLICANT: PADLAN, Eduardo A.
APPLICANT: JUNG, Sun-Hee
APPLICANT: LEE, Byungkook
TITLE OF INVENTION: HUMANIZED TUMOR-SPECIFIC ANTIBODY
TITLE OF INVENTION: FRAGMENTS, FUSION PROTEINS, AND USES THEREOF
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend Kourie and Crew
STREET: Steuart Street Tower, One Market Plaza
CITY: San Francisco
STATE: California
COUNTRY: US
ZIP: 94105-1493
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/227,693
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/331,396
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/767,331
FILING DATE:
PRIOR APPLICATION NUMBER: 30-SEP-1991
APPLICATION DATA:
APPLICATION NUMBER: US 07/596,289
FILING DATE: 12-OCT-1990
ATTORNEY/AGENT INFORMATION:
NAME: Weber, Ellen Lauver
REGISTRATION NUMBER: 32,762
REFERENCE/DOCKET NUMBER: 15280-126-1-3
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 543-9600
TELEFAX: (415) 543-5043
INFORMATION FOR SEQ ID NO: 46:
SEQUENCE CHARACTERISTICS:
LENGTH: 119 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: Protein
LOCATION: 1..119
OTHER INFORMATION: /note= "Human fetal immunoglobulin
OTHER INFORMATION: 56pL CL VH region"
US-09-227-693-46

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Query Match	79.4%	Score 518.5;	DB 2;	Length 119;
Best Local Similarity	81.6%	Pred. No. 9.1e-42;		

Matches 102; Conservative 6; Mismatches 8; Indels 9; Gaps 2;

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Db 1 QVOLVESGGVWQPGRSRLSCAASGFTFSRYGMHWROAPGKGLEWVAVISYDGSNKMY 60
   ||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Oy 61 ADSVKGRTISRDN SKNTLFLQMSLRADTGVYFCARDQ--LYFGSOSPCHYWGQGLT 117
   ||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 61 ADSVKGRTISRDN SKNTLFLQMSLRADTGVYFCARDQ--LYFGSOSPCHYWGQGLT 114
   ||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Oy 118 VTWSS 122
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Db 115 VTWSS 119
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RESULT 15

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US-09-315-926A-80
; Sequence 80, Application US/09315926A
; Patent No. 6498027
; GENERAL INFORMATION:
; APPLICANT: Es van, Helmut
; APPLICANT: Havenga, Menzo
; APPLICANT: Verlinden, Stefan
; TITLE OF INVENTION: TARGETED DELIVERY THROUGH A CATIONIC AMINO ACID TRANSPORTER
; FILE REFERENCE: 2183-4080US
; CURRENT APPLICATION NUMBER: US/09/315,926A
; PRIOR FILING DATE: 1999-05-20
; PRIOR APPLICATION NUMBER: EP 99201593.3
; PRIOR FILING DATE: 1999-05-20
; PRIOR APPLICATION NUMBER: EP 98201693.3
; NUMBER OF SEQ ID NOS: 81
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 80
; LENGTH: 248
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Description of Artificial Sequence: phage
; LOCATION: (1)..(248)
; OTHER INFORMATION: /note="hCAT1 amino acid sequence"
US-09-315-926A-80
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Query Match 79.2%; Score 517; DB 2; Length 248;

Best Local Similarity 82.8%; Pred. No. 2.8e-41;

Matches 101; Conservative 8; Mismatches 11; Indels 2; Gaps 1;

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Db 23 QVOLVESGGVWQPGRSRLSCAASGFTFSRYGMHWROAPGKGLEWVAVISYDGSNKMY 82
   ||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Oy 61 ADSVKGRTISRDN SKNTLFLQMSLRADTGVYFCARDQLYFGSOSPCHYWGQGLTVT 120
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Db 83 ADSVKGRTISRDN SKNTLFLQMSLRADTGVYFCARDQLYFGSOSPCHYWGQGLTVT 140
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Oy 121 SS 122
   ||
Db 141 SS 142
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Search completed: June 28, 2006, 17:39:00
Job time : 16.9879 secs

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GenCore version 5.1.9
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OM protein - protein search, using sw model

Run on: June 28, 2006, 17:39:20 ; Search time 54.3589 Seconds
(without alignments)
1039.613 Million.cell updates/sec

Title: US-10-687-118-1

Perfect score: 653

Sequence: 1 QVQLVESGGGVQPGKSLRL.....FGSQSPGHYWGQTLTVSS 122

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 2097797 seqs, 463214858 residues

Total number of hits satisfying chosen parameters: 2097797

Minimum DB seq length: 0

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications_AA_Main:
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2: /EMC_Celerra_SIDS3/ptodata/2/pubppaa/US08_PUBCOMB.pep:*
3: /EMC_Celerra_SIDS3/ptodata/2/pubppaa/US09_PUBCOMB.pep:*
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5: /EMC_Celerra_SIDS3/ptodata/2/pubppaa/US10B_PUBCOMB.pep:*
6: /EMC_Celerra_SIDS3/ptodata/2/pubppaa/US11_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	653	100.0	122	US-10-822-300-1	Sequence 1, Appli
2	653	100.0	122	US-10-687-118-1	Sequence 1, Appli
3	653	100.0	122	US-11-102-621-1	Sequence 1, Appli
4	543	83.2	120	US-10-371-942-18	Sequence 18, Appli
5	536.5	82.2	252	US-09-880-748-1731	Sequence 1731, Ap
6	536.5	82.2	252	US-10-293-418-1731	Sequence 1731, Ap
7	536.5	82.2	252	US-11-054-515-1731	Sequence 1731, Ap
8	536.5	82.2	252	US-11-266-444-1731	Sequence 1731, Ap
9	533.5	81.7	113	US-09-791-153A-63	Sequence 63, Appli
10	533	81.6	116	US-10-269-711-19	Sequence 19, Appli
11	533	81.6	116	US-10-684-109-19	Sequence 19, Appli
12	532.5	81.5	115	US-11-047-996-89	Sequence 89, Appli
13	532.5	81.5	117	US-10-771-257-18	Sequence 18, Appli
14	532.5	81.5	117	US-11-127-677-18	Sequence 18, Appli
15	532.5	81.5	113	US-10-771-257-5	Sequence 5, Appli
16	532.5	81.5	123	US-11-127-677-5	Sequence 5, Appli
17	532.5	81.5	124	US-10-805-177-54	Sequence 54, Appli
18	531.5	81.3	117	US-10-771-257-89	Sequence 89, Appli
19	531	81.3	117	US-10-938-353-110	Sequence 110, App
20	531	81.3	122	US-10-727-155-34	Sequence 34, Appli
21	530.5	81.2	119	US-10-120-377-76	Sequence 76, Appli
22	530.5	81.2	119	US-10-980-815-76	Sequence 76, Appli
23	530.5	81.2	119	US-10-992-196-76	Sequence 76, Appli
24	530	81.2	241	US-10-935-290-57	Sequence 57, Appli
25	530	81.2	254	US-09-880-748-881	Sequence 981, App
26	530	81.2	254	US-10-293-418-881	Sequence 981, App
27	530	81.2	254	US-11-054-515-981	Sequence 981, App

28	530	81.2	254	US-11-266-444-981	Sequence 981, App
29	529.5	81.1	123	US-10-625-307A-8	Sequence 8, Appli
30	529.5	81.1	138	US-10-325-694-144	Sequence 144, App
31	529	81.0	252	US-09-880-748-1519	Sequence 1519, Ap
32	529	81.0	252	US-10-293-418-1519	Sequence 1519, Ap
33	529	81.0	252	US-11-054-515-1519	Sequence 1519, Ap
34	529	81.0	252	US-11-266-444-1519	Sequence 1519, Ap
35	528.5	80.9	121	US-10-850-635-16	Sequence 16, Appli
36	528	80.9	121	US-10-726-332-33	Sequence 23, Appli
37	527.5	80.8	127	US-10-309-762-150	Sequence 150, App
38	527.5	80.8	127	US-10-706-689-36	Sequence 36, Appli
39	527.5	80.8	127	US-10-988-360-36	Sequence 36, Appli
40	527.5	80.8	252	US-09-880-748-1394	Sequence 1394, Ap
41	527.5	80.8	252	US-10-293-418-1394	Sequence 1394, Ap
42	527.5	80.8	252	US-11-054-515-1394	Sequence 1394, Ap
43	527.5	80.8	252	US-11-266-444-1394	Sequence 1394, Ap
44	527	80.7	121	US-10-877-773-142	Sequence 142, App
45	527	80.7	121	US-10-877-774-142	Sequence 142, App

ALIGNMENTS

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RESULT 1
US-10-822-300-1
; Sequence 1, Application US/10822300
; Publication No. US20050014934A1
; GENERAL INFORMATION:
; APPLICANT: Hinton, et al.
; TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
; FILE REFERENCE: 05882, 0039, CPUS01
; CURRENT FILING DATE: 2004-04-09
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1
; LENGTH: 122
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-822-300-1

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Best Local Similarity 100.0%; Pred. No. 1, 7e-52;
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DB      61 ADSYKGRFTISRDNKNTLFLQMHSIPAAADGVYFCAKDQLYFGSQSPGHYWGQTLTV 120
QY      121 SS 122
DB      121 SS 122

RESULT 2
US-10-687-118-1
; Sequence 1, Application US/10687118
; Publication No. US20050032114A1
; GENERAL INFORMATION:
; APPLICANT: Hinton, et al.
; TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
; FILE REFERENCE: 05882, 0039, NPUS04
; CURRENT FILING DATE: 2003-10-15
; NUMBER OF SEQ ID NOS: 112
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1
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LENGTH: 122
TYPE: PRT
ORGANISM: Homo sapiens
US-10-687-118-1

Query Match 100.0%; Score 653; DB 5; Length 122;
Best Local Similarity 100.0%; Pred. No. 1.7e-52;
Matches 122; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 ADSVKGRFTISRDNKNTLFLOHMSLRADTGVYFCAKDQLYFGSQSPGHYWGQGLTVTV 120
DB 61 ADSVKGRFTISRDNKNTLFLOHMSLRADTGVYFCAKDQLYFGSQSPGHYWGQGLTVTV 120
QY 121 SS 122
DB 121 SS 122

RESULT 3

US-11-102-621-1
Sequence 1, Application US/11102621
Publication No. US20050276799A1
GENERAL INFORMATION:
APPLICANT: Protein Design Labs, Inc.
APPLICANT: Hinton, Paul R.
APPLICANT: Teurushita, Naoya
APPLICANT: Tso, J. Yun
APPLICANT: Vasquez, Maximiliano
TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
TITLE OF INVENTION: ANTIBODIES BY MUTAGENESIS
FILE REFERENCE: 05882.0039.00PC03
CURRENT APPLICATION NUMBER: US/11/102.621
CURRENT FILING DATE: 2005-04-08
PRIOR APPLICATION NUMBER: US 10/822.300
PRIOR FILING DATE: 2004-04-09
NUMBER OF SEQ ID NOS: 146
SOFTWARE: PatentIn version 3.2
SEQ ID NO 1
LENGTH: 122
TYPE: PRT
ORGANISM: Homo sapiens
US-11-102-621-1

Query Match 100.0%; Score 653; DB 6; Length 122;
Best Local Similarity 100.0%; Pred. No. 1.7e-52;
Matches 122; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 QVQLVESGGGVQPGKSLRLSCAASGFTFSRYGMHWROAPGKGLEWVAIVSYDGSNKMY 60
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DB 61 ADSVKGRFTISRDNKNTLFLOHMSLRADTGVYFCAKDQLYFGSQSPGHYWGQGLTVTV 120
QY 121 SS 122
DB 121 SS 122

RESULT 4

US-10-371-942-18
Sequence 18, Application US/10371942
Publication No. US20030223994A1
GENERAL INFORMATION:
APPLICANT: Hoogenboom, Henricus Renerus Jacobus Mattheus
APPLICANT: Reiter, Yoram
TITLE OF INVENTION: MHC-PEPTIDE COMPLEX BINDING LIGANDS
FILE REFERENCE: 10280-034001

CURRENT APPLICATION NUMBER: US/10/371.942
CURRENT FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 60/358.994
PRIOR FILING DATE: 2002-02-20
NUMBER OF SEQ ID NOS: 121
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 18
LENGTH: 120
TYPE: PRT
ORGANISM: Homo sapiens
US-10-371-942-18

Query Match 83.2%; Score 543; DB 4; Length 120;
Best Local Similarity 85.2%; Pred. No. 2.3e-42;
Matches 104; Conservative 8; Mismatches 8; Indels 2; Gaps 1;

QY 1 QVQLVESGGGVQPGKSLRLSCAASGFTFSRYGMHWROAPGKGLEWVAIVSYDGSNKMY 60
DB 1 QVQLVESGGGVQPGKSLRLSCAASGFTFSRYGMHWROAPGKGLEWVAIVSYDGSNKMY 60
QY 61 ADSVKGRFTISRDNKNTLFLOHMSLRADTGVYFCAKDQLYFGSQSPGHYWGQGLTVTV 120
DB 61 ADSVKGRFTISRDNKNTLFLOHMSLRADTGVYFCAKDQLYFGSQSPGHYWGQGLTVTV 118
QY 121 SS 122
DB 119 SS 120

RESULT 5

US-09-880-748-1731
Sequence 1731, Application US/09880748
Publication No. US2003005937A1
GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
FILE REFERENCE: PF523
CURRENT APPLICATION NUMBER: US/09/880.748
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212.210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240.816
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/276.248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/277.379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/293.499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1731
LENGTH: 252
TYPE: PRT
ORGANISM: Homo sapiens
US-09-880-748-1731

Query Match 82.2%; Score 536.5; DB 3; Length 252;
Best Local Similarity 80.6%; Pred. No. 1.9e-41;
Matches 104; Conservative 9; Mismatches 9; Indels 7; Gaps 1;

QY 1 QVQLVESGGGVQPGKSLRLSCAASGFTFSRYGMHWROAPGKGLEWVAIVSYDGSNKMY 60
DB 1 QVQLVESGGGVQPGKSLRLSCAASGFTFSRYGMHWROAPGKGLEWVAIVSYDGSNKMY 60
QY 61 ADSVKGRFTISRDNKNTLFLOHMSLRADTGVYFCAKDQLYFGSQSPGHYWGQGLTVTV 113
DB 61 ADSVKGRFTISRDNKNTLFLOHMSLRADTGVYFCAKDQLYFGSQSPGHYWGQGLTVTV 120
QY 114 OGTLTVVSS 122
DB 121 RGLTVVSS 129


```
RESULT 6
US-10-293-418-1731
; Sequence 1731, Application US/10293418
; Publication No. US2003022396A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523P2
; CURRENT APPLICATION NUMBER: US/10/293,418
; CURRENT FILING DATE: 2002-11-27
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-16
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 1731
; LENGTH: 252
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-293-418-1731

Query Match      82.2%; Score 536.5; DB 4; Length 252;
Best Local Similarity 80.6%; Pred. No. 1.9e-41;
Matches 104; Conservative 9; Mismatches 9; Indels 7; Gaps 1;

QY      1 QVQLVESGGGVQPGKSLRLSCAASGFTFSRYGMHWYRQAPGKLEWYAVISYDGSNKKY 60
DB      1 QVQLVESGGGVQPGKSLRLSCAASGFTFSRYGMHWYRQAPGKLEWYAVISYDGSNKKY 60

QY      61 ADSVKGFRFTISRDNKNTLFLQMSLRPADTGVYFCADQLYFGSQSPGHY-----WG 113
DB      61 ADSVKGFRFTISRDNKNTLYLQNMSLRAEDTAVVYCCARDRLYYDILGYYYYYGMDVWG 120

QY      114 QGTLVTVSS 122
DB      121 RGLTVTVSS 129

RESULT 7
US-11-054-515-1731
; Sequence 1731, Application US/11054515
; Publication No. US2005025532A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523P3
; CURRENT APPLICATION NUMBER: US/11/054,515
; CURRENT FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/543,296
; PRIOR FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 10/293,418
; PRIOR FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
```

```
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; Remaining Prior Application data removed - See file wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 1731
; LENGTH: 252
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-1731

Query Match      82.2%; Score 536.5; DB 6; Length 252;
Best Local Similarity 80.6%; Pred. No. 1.9e-41;
Matches 104; Conservative 9; Mismatches 9; Indels 7; Gaps 1;

QY      1 QVQLVESGGGVQPGKSLRLSCAASGFTFSRYGMHWYRQAPGKLEWYAVISYDGSNKKY 60
DB      1 QVQLVESGGGVQPGKSLRLSCAASGFTFSRYGMHWYRQAPGKLEWYAVISYDGSNKKY 60

QY      61 ADSVKGFRFTISRDNKNTLFLQMSLRPADTGVYFCADQLYFGSQSPGHY-----WG 113
DB      61 ADSVKGFRFTISRDNKNTLYLQNMSLRAEDTAVVYCCARDRLYYDILGYYYYYGMDVWG 120

QY      114 QGTLVTVSS 122
DB      121 RGLTVTVSS 129

RESULT 8
US-11-266-444-1731
; Sequence 1731, Application US/11266444
; Publication No. US20060062789A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind to B Lymphocyte Stimulat
; FILE REFERENCE: PF523P1D1
; CURRENT APPLICATION NUMBER: US/11/266,444
; CURRENT FILING DATE: 2005-11-04
; PRIOR APPLICATION NUMBER: 09/880,746
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 3239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1731
; LENGTH: 252
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-266-444-1731

Query Match      82.2%; Score 536.5; DB 6; Length 252;
Best Local Similarity 80.6%; Pred. No. 1.9e-41;
Matches 104; Conservative 9; Mismatches 9; Indels 7; Gaps 1;

QY      1 QVQLVESGGGVQPGKSLRLSCAASGFTFSRYGMHWYRQAPGKLEWYAVISYDGSNKKY 60
DB      1 QVQLVESGGGVQPGKSLRLSCAASGFTFSRYGMHWYRQAPGKLEWYAVISYDGSNKKY 60

QY      61 ADSVKGFRFTISRDNKNTLFLQMSLRPADTGVYFCADQLYFGSQSPGHY-----WG 113
```

Db 61 ADSVKGRFTISRDNKNTLYLQWMSLRADTAAYVCARDRLREYDILGYYYYGMDVMG 120

Qy 114 OGTLVTYSS 122
:|||||
Db 121 RGTLYTVSS 129

RESULT 9
US-09-791-153A-63
; Sequence 63, Application US/09791153A
; Publication No. US20030103978A1
; GENERAL INFORMATION:
; APPLICANT: Deshpande, Rajendra
; APPLICANT: Hitz, Anna
; APPLICANT: Boyle, William
; APPLICANT: Sullivan, John
; TITLE OF INVENTION: SELECTIVE BINDING AGENTS OF OSTEOPROTEGERIN BINDING PROTEIN
; FILE REFERENCE: A-633A
; CURRENT APPLICATION NUMBER: US/09/791,153A
; CURRENT FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: 09/511,139
; PRIOR FILING DATE: 2000-02-23
; NUMBER OF SEQ ID NOS: 154
; SOFTWARE: Patentin Version 3.0
; SEQ ID NO 63
; LENGTH: 113
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-791-153A-63

Query Match 81.7%; Score 533.5; DB 3; Length 113;
Best Local Similarity 86.1%; Pred. No. 1.6e-41;
Matches 105; Conservative 4; Mismatches 4; Indels 9; Gaps 2;

Qy 1 QVQLVSSGGGVVPGGSLRLSCAASGFTFSRYGMHWRAQPGKLEWVAIVSYDGSNKMY 60
:|||||
Db 1 QVQLVSSGGGVVPGGSLRLSCAASGFTFSRYGMHWRAQPGKLEWVAIVSYDGSNKMY 60

Qy 61 ADSVKGRFTISRDNKNTLYLQWMSLRADTAAYVCARDRLREYDILGYYYYGMDVMG 120
:|||||
Db 61 ADSVKGRFTISRDNKNTLYLQWMSLRADTAAYVCARDRLREYDILGYYYYGMDVMG 111

Qy 121 SS 122
||
Db 112 SS 113

RESULT 10
US-10-269-711-19
; Sequence 19, Application US/10269711
; Publication No. US20040071694A1
; GENERAL INFORMATION:
; APPLICANT: Abbott Laboratories
; APPLICANT: Devries, Peter J.
; APPLICANT: Reilly, Edward B.
; APPLICANT: Oestrow, Dave
; APPLICANT: Weiler, James
; APPLICANT: Green, Larry
; TITLE OF INVENTION: ERYTHROPOIETIN RECEPTOR BINDING
; FILE REFERENCE: 6989, US, 01
; CURRENT APPLICATION NUMBER: US/10/269,711
; CURRENT FILING DATE: 2002-10-14
; NUMBER OF SEQ ID NOS: 57
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 19
; LENGTH: 116
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-269-711-19

Query Match 81.6%; Score 533; DB 4; Length 116;
Best Local Similarity 83.6%; Pred. No. 1.9e-41;

Matches 102; Conservative 7; Mismatches 7; Indels 6; Gaps 1;

Qy 1 QVQLVSSGGGVVPGGSLRLSCAASGFTFSRYGMHWRAQPGKLEWVAIVSYDGSNKMY 60
:|||||
Db 1 QVQLVSSGGGVVPGGSLRLSCAASGFTFSRYGMHWRAQPGKLEWVAIVSYDGSNKMY 60

Qy 61 ADSVKGRFTISRDNKNTLYLQWMSLRADTAAYVCARDRLREYDILGYYYYGMDVMG 120
:|||||
Db 61 ADSVKGRFTISRDNKNTLYLQWMSLRADTAAYVCARDRLREYDILGYYYYGMDVMG 114

Qy 121 SS 122
||
Db 115 SS 116

RESULT 11
US-10-684-109-19
; Sequence 19, Application US/10684109
; Publication No. US20040175379A1
; GENERAL INFORMATION:
; APPLICANT: Devries, Peter J.
; APPLICANT: Green, Larry L.
; APPLICANT: Oestrow, David H.
; APPLICANT: Reilly, Edward B.
; APPLICANT: Weiler, James
; TITLE OF INVENTION: Erythropoietin Receptor Binding
; FILE REFERENCE: 6989, US, 02
; CURRENT APPLICATION NUMBER: US/10/684,109
; CURRENT FILING DATE: 2003-10-10
; PRIOR APPLICATION NUMBER: 10/269,711
; PRIOR FILING DATE: 2002-10-14
; NUMBER OF SEQ ID NOS: 115
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 19
; LENGTH: 116
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-684-109-19

Query Match 81.6%; Score 533; DB 4; Length 116;
Best Local Similarity 83.6%; Pred. No. 1.9e-41;
Matches 102; Conservative 7; Mismatches 7; Indels 6; Gaps 1;

Qy 1 QVQLVSSGGGVVPGGSLRLSCAASGFTFSRYGMHWRAQPGKLEWVAIVSYDGSNKMY 60
:|||||
Db 1 QVQLVSSGGGVVPGGSLRLSCAASGFTFSRYGMHWRAQPGKLEWVAIVSYDGSNKMY 60

Qy 61 ADSVKGRFTISRDNKNTLYLQWMSLRADTAAYVCARDRLREYDILGYYYYGMDVMG 120
:|||||
Db 61 ADSVKGRFTISRDNKNTLYLQWMSLRADTAAYVCARDRLREYDILGYYYYGMDVMG 114

Qy 121 SS 122
||
Db 115 SS 116

RESULT 12
US-11-047-996-89
; Sequence 89, Application US/11047996
; Publication No. US20050136057A1
; GENERAL INFORMATION:
; APPLICANT: SATO, KOH
; APPLICANT: WAKAHARA, YUJI
; APPLICANT: YABUTA, NAOTIRO
; TITLE OF INVENTION: ANTIBODY AGAINST HUMAN PARATHORMONE RELATED PEPTIDES
; FILE REFERENCE: 04853-0033
; CURRENT APPLICATION NUMBER: US/11/047,996
; CURRENT FILING DATE: 2005-02-02
; PRIOR APPLICATION NUMBER: US/09/269,332
; PRIOR FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: PCT/JP97/03382
; PRIOR FILING DATE: 1997-09-24

```
; PRIOR APPLICATION NUMBER: JP 255196/1996
; PRIOR FILING DATE: 1996-09-26
; PRIOR APPLICATION NUMBER: JP 214168/1997
; PRIOR FILING DATE: 1997-07-24
; NUMBER OF SEQ ID NOS: 113
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 89
; LENGTH: 115
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-047-996-89
```

```
Query Match      81.5%; Score 532.5; DB 6; Length 115;
Best Local Similarity 84.4%; Pred. No. 2.1e-41;
Matches 103; Conservative 6; Mismatches 6; Indels 7; Gaps 1;
```

```
QY      1 QVQLVESGGGVQVQPSRLRLSCASGFTFSRYGHWYRQAPGKGLIEWVAVISYDGSNKY 60
DB      1 QVQLVESGGGVQVQPSRLRLSCASGFTFSRYGHWYRQAPGKGLIEWVAVISYDGSNKY 60
```

```
QY      61 ADVYKGRFTISRDNKNTLFLQMSLRADPGVYFCAKDQLYFGSQSPGHYWGQGLTV 120
DB      61 ADVYKGRFTISRDNKNTLFLQMSLRADPGVYFCAKDQLYFGSQSPGHYWGQGLTV 113
```

```
QY      121 SS 122
DB      114 SS 115
```

```
RESULT 13
US-10-771-257-18
; Sequence 18, Application US/10771257
; Publication No. US20050288864A1
; GENERAL INFORMATION:
; APPLICANT: Medical Research Council
; APPLICANT: SISSA - Scuola Superiore Internazionale di Studi Avanzati
; APPLICANT: Cattaneo, Antonino
; APPLICANT: Maritan, Amos
; APPLICANT: Visintin, Michela
; APPLICANT: Rabbits, Terrence H
; APPLICANT: Settemi, Giovanni
; TITLE OF INVENTION: Intracellular antibodies
; FILE REFERENCE: 18396/2272
; CURRENT APPLICATION NUMBER: US/10/771,257
; CURRENT FILING DATE: 2004-02-03
; PRIOR APPLICATION NUMBER: PCT/GB02/03512
; PRIOR FILING DATE: 2002-08-01
; PRIOR APPLICATION NUMBER: GB 0119004.0
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: GB 0121577.1
; PRIOR FILING DATE: 2001-09-06
; PRIOR APPLICATION NUMBER: GB 0200928.0
; PRIOR FILING DATE: 2002-01-16
; PRIOR APPLICATION NUMBER: GB 0203569.9
; PRIOR FILING DATE: 2002-02-14
; PRIOR APPLICATION NUMBER: IT RM2001A000633
; PRIOR FILING DATE: 2001-10-25
; NUMBER OF SEQ ID NOS: 124
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
; LENGTH: 117
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-771-257-18
```

```
Query Match      81.5%; Score 532.5; DB 5; Length 117;
Best Local Similarity 84.7%; Pred. No. 2.1e-41;
Matches 105; Conservative 5; Mismatches 5; Indels 9; Gaps 2;
```

```
QY      1 QVQLVESGGGVQVQPSRLRLSCASGFTFSRYGHWYRQAPGKGLIEWVAVISYDGSNKY 60
DB      1 QVQLVESGGGVQVQPSRLRLSCASGFTFSRYGHWYRQAPGKGLIEWVAVISYDGSNKY 60
```

```
QY      61 ADVYKGRFTISRDNKNTLFLQMSLRADPGVYFCAKDQLYFGSQSPGH--YWGQGLTV 118
DB      61 ADVYKGRFTISRDNKNTLFLQMSLRADPGVYFCAKDQLYFGSQSPGH--YWGQGLTV 113
```

```
QY      119 TVSS 122
DB      114 TVSS 117
```

```
RESULT 14
US-11-127-677-18
```

```
; Sequence 18, Application US/11127677
; Publication No. US20050272107A1
; GENERAL INFORMATION:
; APPLICANT: Medical Research Council
; APPLICANT: Rabbits, Terrence H
; APPLICANT: Tanaka, Tomoyuki
; TITLE OF INVENTION: Intracellular antibodies
; FILE REFERENCE: 18396/2462
; CURRENT APPLICATION NUMBER: US/11/127,677
; CURRENT FILING DATE: 2005-05-12
; PRIOR APPLICATION NUMBER: PCT/GB03/04942
; PRIOR FILING DATE: 2003-11-14
; PRIOR APPLICATION NUMBER: GB 0226729.2
; PRIOR FILING DATE: 2002-11-15
; NUMBER OF SEQ ID NOS: 150
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
; LENGTH: 117
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Derived protein sequence of scFv
US-11-127-677-18
```

```
Query Match      81.5%; Score 532.5; DB 6; Length 117;
Best Local Similarity 84.7%; Pred. No. 2.1e-41;
Matches 105; Conservative 5; Mismatches 5; Indels 9; Gaps 2;
```

```
QY      1 QVQLVESGGGVQVQPSRLRLSCASGFTFSRYGHWYRQAPGKGLIEWVAVISYDGSNKY 60
DB      1 QVQLVESGGGVQVQPSRLRLSCASGFTFSRYGHWYRQAPGKGLIEWVAVISYDGSNKY 60
```

```
QY      61 ADVYKGRFTISRDNKNTLFLQMSLRADPGVYFCAKDQLYFGSQSPGH--YWGQGLTV 118
DB      61 ADVYKGRFTISRDNKNTLFLQMSLRADPGVYFCAKDQLYFGSQSPGH--YWGQGLTV 113
```

```
QY      119 TVSS 122
DB      114 TVSS 117
```

```
RESULT 15
US-10-771-257-5
; Sequence 5, Application US/10771257
; Publication No. US20050288864A1
; GENERAL INFORMATION:
; APPLICANT: Medical Research Council
; APPLICANT: SISSA - Scuola Superiore Internazionale di Studi Avanzati
; APPLICANT: Cattaneo, Antonino
; APPLICANT: Maritan, Amos
; APPLICANT: Visintin, Michela
; APPLICANT: Rabbits, Terrence H
; APPLICANT: Settemi, Giovanni
; TITLE OF INVENTION: Intracellular antibodies
; FILE REFERENCE: 18396/2272
; CURRENT APPLICATION NUMBER: US/10/771,257
; CURRENT FILING DATE: 2004-02-03
; PRIOR APPLICATION NUMBER: PCT/GB02/03512
; PRIOR FILING DATE: 2002-08-01
; PRIOR APPLICATION NUMBER: GB 0119004.0
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: GB 0121577.1
```

; PRIOR FILING DATE: 2001-09-06
 ; PRIOR APPLICATION NUMBER: GB 0200928.0
 ; PRIOR FILING DATE: 2002-01-16
 ; PRIOR APPLICATION NUMBER: GB 0203569.9
 ; PRIOR FILING DATE: 2002-02-14
 ; PRIOR APPLICATION NUMBER: IT RM2001A000633
 ; PRIOR FILING DATE: 2001-10-25
 ; NUMBER OF SEQ ID NOS: 124
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 5
 ; LENGTH: 123
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-771-257-5

Query Match 81.5%; Score 532.5; DB 5; Length 123;
 Best Local Similarity 82.9%; Pred. No. 2.2e-41;
 Matches 102; Conservative 9; Mismatches 11; Indels 1; Gaps 1;

QY 1 QVQLVESGGGVVOPGSRSLRLSCAASGFTFSRYGHWVROAPGKGLEWYAVISYDGSNKM 60
 DB 1 QVQLVESGGGVVOPGSRSLRLSCAASGFTFSRYGHWVROAPGKGLEWYAVISYDGSNKM 60
 QY 61 ADSVKGRFTISRDNKNTLFLQWHSRLPAADTGVTFCAKDQLYFGSGSPG-HYWGQGLVT 119
 DB 61 ADSVKGRFTISRDNKNTLFLQWHSRLPAADTGVTFCAKDQLYFGSGSPG-HYWGQGLVT 119
 QY 120 VSS 122
 DB 121 VSS 123

Search completed: June 28, 2006, 18:13:11
 Job time : 55.3589 secs


```
US-10-546-594-66
; Sequence 66, Application US/10546594
; Publication No. US20060088538A1
; GENERAL INFORMATION:
; APPLICANT: HOSOKAWA, Saiko
; APPLICANT: AOKI, Masahiko
; APPLICANT: HIRAKAWA, Yoko
; APPLICANT: ITAMI, Seima
; APPLICANT: UMEKI, Hiroe
; APPLICANT: SAIKAWA, Yoshiro
; APPLICANT: KUMAI, Koichiro
; APPLICANT: FUKUDA, Kazumasa
; TITLE OF INVENTION: MONOCLONAL ANTIBODY AND GENE ENCODING THE SAME, HYBRIDOMA, PHARMA
; FILE REFERENCE: 238067
; CURRENT APPLICATION NUMBER: US/10/546,594
; PRIOR FILING DATE: 2003-08-19
; PRIOR APPLICATION NUMBER: JP 2003/54670
; PRIOR FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: JP 2003/194643
; PRIOR FILING DATE: 2003-07-09
; NUMBER OF SEQ ID NOS: 132
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 66
; LENGTH: 123
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-546-594-66

Query Match      80.5%; Score 525.5; DB 6; Length 123;
Best Local Similarity 81.7%; Pred. No. 5,4e-41;
Matches 103; Conservative 8; Mismatches 8; Indels 7; Gaps 2;

QY 1 QVQLVESGGGVQPGKSLRLSCAASGFTFSRYGMHWROAPGKGLEWVAIVSYDGSNKMY 60
DB 1 QVQLVDSGGGVQPGKSLRLSCAASGFTFSRYAMHWROAPGKGLEWVAIVSYDGSNKYY 60
QY 61 ADSVKGRFTISRDNKNTLFLOWHSLRAADTGYYFCAKDQ---LYFGSQSPGHYWGQGT 116
DB 61 ADSVKGRFTISRDNKNTLVLOWNSLRADTAIVYYCARDHSHSYDFWGSGLD---YWGQGT 117
QY 117 LVTYSS 122
DB 118 LVTYSS 123

RESULT 3
US-10-546-594-70
; Sequence 70, Application US/10546594
; Publication No. US20060088538A1
; GENERAL INFORMATION:
; APPLICANT: HOSOKAWA, Saiko
; APPLICANT: AOKI, Masahiko
; APPLICANT: HIRAKAWA, Yoko
; APPLICANT: ITAMI, Seima
; APPLICANT: UMEKI, Hiroe
; APPLICANT: SAIKAWA, Yoshiro
; APPLICANT: KUMAI, Koichiro
; APPLICANT: FUKUDA, Kazumasa
; TITLE OF INVENTION: MONOCLONAL ANTIBODY AND GENE ENCODING THE SAME, HYBRIDOMA, PHARMA
; FILE REFERENCE: 238067
; CURRENT APPLICATION NUMBER: US/10/546,594
; PRIOR FILING DATE: 2005-08-19
; PRIOR APPLICATION NUMBER: JP 2003/54670
; PRIOR FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: JP 2003/194643
; PRIOR FILING DATE: 2003-07-09
; NUMBER OF SEQ ID NOS: 132
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 70
; LENGTH: 123
; TYPE: PRT
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```
; ORGANISM: Homo sapiens
US-10-546-594-70

Query Match      80.5%; Score 525.5; DB 6; Length 123;
Best Local Similarity 81.7%; Pred. No. 5,4e-41;
Matches 103; Conservative 8; Mismatches 8; Indels 7; Gaps 2;

QY 1 QVQLVESGGGVQPGKSLRLSCAASGFTFSRYGMHWROAPGKGLEWVAIVSYDGSNKMY 60
DB 1 EVQLVESGGGVQPGKSLRLSCAASGFTFSRYAMHWROAPGKGLEWVAIVSYDGSNKYY 60
QY 61 ADSVKGRFTISRDNKNTLFLOWHSLRAADTGYYFCAKDQ---LYFGSQSPGHYWGQGT 116
DB 61 ADSVKGRFTISRDNKNTLVLOWNSLRADTAIVYYCARDHSHSYDFWGSGLD---YWGQGT 117
QY 117 LVTYSS 122
DB 118 LVTYSS 123
```

```
RESULT 4
US-10-546-594-130
; Sequence 130, Application US/10546594
; Publication No. US20060088538A1
; GENERAL INFORMATION:
; APPLICANT: HOSOKAWA, Saiko
; APPLICANT: AOKI, Masahiko
; APPLICANT: HIRAKAWA, Yoko
; APPLICANT: ITAMI, Seima
; APPLICANT: UMEKI, Hiroe
; APPLICANT: SAIKAWA, Yoshiro
; APPLICANT: KUMAI, Koichiro
; APPLICANT: FUKUDA, Kazumasa
; TITLE OF INVENTION: MONOCLONAL ANTIBODY AND GENE ENCODING THE SAME, HYBRIDOMA, PHARMA
; FILE REFERENCE: 238067
; CURRENT APPLICATION NUMBER: US/10/546,594
; PRIOR FILING DATE: 2005-08-19
; PRIOR APPLICATION NUMBER: JP 2003/54670
; PRIOR FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: JP 2003/194643
; PRIOR FILING DATE: 2003-07-09
; NUMBER OF SEQ ID NOS: 132
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 130
; LENGTH: 472
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-546-594-130

Query Match      80.5%; Score 525.5; DB 6; Length 472;
Best Local Similarity 81.7%; Pred. No. 2e-40;
Matches 103; Conservative 8; Mismatches 8; Indels 7; Gaps 2;

QY 1 QVQLVESGGGVQPGKSLRLSCAASGFTFSRYGMHWROAPGKGLEWVAIVSYDGSNKMY 60
DB 20 EVQLVESGGGVQPGKSLRLSCAASGFTFSRYAMHWROAPGKGLEWVAIVSYDGSNKYY 79
QY 61 ADSVKGRFTISRDNKNTLFLOWHSLRAADTGYYFCAKDQ---LYFGSQSPGHYWGQGT 116
DB 80 ADSVKGRFTISRDNKNTLVLOWNSLRADTAIVYYCARDHSHSYDFWGSGLD---YWGQGT 136
QY 117 LVTYSS 122
DB 137 LVTYSS 142

RESULT 5
US-11-211-917-106
; Sequence 106, Application US/11211917
; Publication No. US20060093600A1
; GENERAL INFORMATION:
; APPLICANT: BEDIAN, VAHE
```

```

? APPLICANT: GLADUE, RONALD P.
? APPLICANT: CORVALAN, JOSE
? APPLICANT: JIA, XIAO-CHI
? APPLICANT: FENG, XIAO
? TITLE OF INVENTION: ANTIBODIES TO CD40
? FILE REFERENCE: ABX-PF/3 US
? CURRENT APPLICATION NUMBER: US/11/211, 917
? CURRENT FILING DATE: 2005-08-25
? PRIOR APPLICATION NUMBER: US/10/292, 088
? PRIOR FILING DATE: 2002-11-08
? PRIOR APPLICATION NUMBER: 60/348, 980
? PRIOR FILING DATE: 2001-11-09
? NUMBER OF SEQ ID NOS: 147
? SOFTWARE: PatentIn Ver. 2.1
? SEQ ID NO 106
? LENGTH: 124
? TYPE: prt
? ORGANISM: Homo sapiens
US-11-211-917-106

```

Query Match	80.4%;	Score 525;	DB 7;	Length 124;
Best Local Similarity	80.6%;	Pred. No. 66-41;		
Matches 104;	Conservative 6;	Mismatches 7;	Indels 12;	Gaps 2
QY	1	QVQLVESGGGVYVQPGKSLRLSCAASGFFPSRKGHWVQAQAPKGLEWVAIVSYDSNKMY	60	
Db	1	QVQLVESGGGVYVQPGKSLRLSCAASGFFPSRKGHWVQAQAPKGLEWVAIVSYDSNKMY	60	
QY	61	ADSVKGRITTRIDNSKNTLFLQMSLRADLTGVYFCAKDQLYFGSQSPGHT-----WG	113	
Db	61	ADSVKGRITTRIDNSKNTLFLQMSLRADLTGVYFCAKDQLYFGSQSPGHT-----WG	115	
QY	114	QGLTAVTSS	122	
Db	116	QGITVAVSS	124	

```

RESULT 6
US-11-211-917-116
; Sequence 116, Application US/11211917
; Publication No. US20060093600A1
; GENERAL INFORMATION:
; APPLICANT: BEDIAN, VAHE
; APPLICANT: GLADUE, RONALD P.
; APPLICANT: CORVALAN, JOSE
; APPLICANT: JIA, XIAO-CHI
; APPLICANT: FENG, XIAO
; TITLE OF INVENTION: ANTIBODIES TO CD40
; FILE REFERENCE: ABX-PE/3 US
; CURRENT APPLICATION NUMBER: US/11/211,917
; CURRENT FILING DATE: 2005-08-25
; PRIOR APPLICATION NUMBER: US/10/292,088
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: 60/348,980
; PRIOR FILING DATE: 2001-11-09
; NUMBER OF SEQ ID NOS: 147
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO. 116
; LENGTH: 123
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-11-211-917-116

```

Query Match	80.3%	Score 524.5	DB 7	Length 123
Best Local Similarity	81.1%	Pred. No. 6.6e-41		
Matches 103	Conservative	6	Mismatches 9	Indels 9
			Gaps	2
QY	1	QVQLVESGGGVQDPGRSIRLSCAASGFTFSRYGMHWVQAPQKGLKLEWVAISYDOSNMY	60	
Db	1	QVQLVESGGGVQDPGRSIRLSCAASGFTFSRYGMHWVQAPQKGLKLEWVAISYDOSNMY	60	
QY	61	ADSVKGRFTISRDNSKNTLLFLQMHSIRLADGVYFCAD-----QLYPSGSSPCHYWGCG	115	

Db 61 ADSVKGRTTIRDSKNILYLQMSLRADPAVYYCADDGDEYYYYYGM-----VMGGG 116

Qy . . . 116 TLVTVSS 122
| | | | |
Db 117 TTVTVSS 123

```

RESULT 7
US-11-211-917-107
: Sequence 107, Application US/11211917
: Publication No. US20060093600A1
: GENERAL INFORMATION:
:   APPLICANT: BEDIAN, VAHE
:   APPLICANT: GLADUE, RONALD P.
:   APPLICANT: CORVALAN, JOSE
:   APPLICANT: JIA, XIAO-CHI
:   APPLICANT: FENG, XIAO
:   TITLE OF INVENTION: ANTIBODIES TO CD40
:   FILE REFERENCE: ABX-PE/3 US
:   CURRENT APPLICATION NUMBER: US/11/211,917
:   CURRENT FILING DATE: 2005-08-25
:   PRIOR APPLICATION NUMBER: US/10/292,088
:   PRIOR FILING DATE: 2002-11-08
:   PRIOR APPLICATION NUMBER: 60/348,980
:   PRIOR FILING DATE: 2001-11-09
:   NUMBER OF SEQ ID NOS: 147
:   SOFTWARE: PatentIn Ver. 2.1
:   SEQ ID NO 107
:   LENGTH: 125
:   TYPE: PRT
:   ORGANISM: Homo sapiens
US-11-211-917-107

```

[illegible]

```

1  RESULT 8
2  US-10-515-429--46
3  ; Sequence 46, Application US/10515429
4  ; Publication No. US20060105387A1
5  ; GENERAL INFORMATION:
6  ; APPLICANT: Prior, Christopher P.
7  ; APPLICANT: Turner, Andrew J.
8  ; APPLICANT: Sadeghi, Homayoun
9  ; TITLE OF INVENTION: Transferrin Fusion Protein Libraries
10 ; FILE REFERENCE: 054710-5007-WO
11 ; CURRENT APPLICATION NUMBER: US/10/515,429
12 ; CURRENT FILING DATE: 2004-11-23
13 ; PRIOR APPLICATION NUMBER: PCT/US03/26779
14 ; PRIOR FILING DATE: 2003-08-26
15 ; PRIOR APPLICATION NUMBER: US 60/406,977
16 ; PRIOR FILING DATE: 2002-08-30
17 ; PRIOR APPLICATION NUMBER: US 10/384,060
18 ; PRIOR FILING DATE: 2003-03-10
19 ; PRIOR APPLICATION NUMBER: US 60/485,404
20 ; PRIOR FILING DATE: 2003-07-09
21 ; NUMBER OF SEQ ID NOS: 75
22 ; SOFTWARE: Patentln Ver. 2.1
23 ; SEQ ID NO 46

```

```
; LENGTH: 223
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: VH region of anti-TNF-alpha antibody, Gen Bank No. BAB18250
US-10-515-429-46
```

```
Query Match          79.9%; Score 522; DB 6; Length 223;
Best Local Similarity 83.1%; Pred. No. 2e+40;
Matches 103; Conservative 6; Mismatches 7; Indels 8; Gaps 2;
```

```
QY 1 QVQLVESGGGVVQPGKSLRLSCAASGFTFSRYGMHWROAPGKGLEWVAIVSYDGSNKMY 60
   |||||
DB 1 QVQLVESGGGVVQPGKSLRLSCAASGFTFSRYGMHWROAPGKGLEWVAIVSYDGSNKMY 60
   |||||
QY 61 ADSVKGRFTISRDNKNTLLFLQMHSILRAADTVGYFFCAKD--QLYFGSQSPGHYWGQGLTV 118
   |||||
DB 61 ADSVKGRFTISRDNKNTLLFLQMHSILRAEDTAVYYCAKDSGLAF-----DIWGQGLTV 114
   |||||
QY 119 TVVSS 122
   |||||
DB 115 TVSS 118
```

```
RESULT 9
US-11-211-917-114
; Sequence 114, Application US/11211917
; Publication No. US20060093600A1
; GENERAL INFORMATION:
; APPLICANT: BEDIAN, VAHE
; APPLICANT: GLADUE, RONALD P.
; APPLICANT: CORVALAN, JOSE
; APPLICANT: JIA, XIAO-CHI
; APPLICANT: FENG, XIAO
; TITLE OF INVENTION: ANTIBODIES TO CD40
; FILE REFERENCE: ABX-PF/3 US
; CURRENT APPLICATION NUMBER: US/11/211,917
; PRIOR FILING DATE: 2005-08-25
; PRIOR APPLICATION NUMBER: US/10/292,088
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: 60/348,980
; PRIOR FILING DATE: 2001-11-09
; NUMBER OF SEQ ID NOS: 147
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 114
; LENGTH: 122
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-211-917-114
```

```
Query Match          79.8%; Score 521; DB 7; Length 122;
Best Local Similarity 83.2%; Pred. No. 1.4e+40;
Matches 104; Conservative 5; Mismatches 10; Indels 6; Gaps 2;
```

```
QY 1 QVQLVESGGGVVQPGKSLRLSCAASGFTFSRYGMHWROAPGKGLEWVAIVSYDGSNKMY 60
   |||||
DB 1 QVQLVESGGGVVQPGKSLRLSCAASGFTFSRYGMHWROAPGKGLEWVAIVSYDGSNKMY 60
   |||||
QY 61 ADSVKGRFTISRDNKNTLLFLQMHSILRAADTVGYFFCAKQDLYFGSQSPG--HYWGQGLTV 117
   |||||
DB 61 ADSVKGRFTISRDNKNTLLFLQMHSILRAEDTAVYYCAR---YCGGDCYGLAVAGWGQGLT 117
   |||||
QY 118 TVVSS 122
   |||||
DB 118 TVVSS 122
```

```
RESULT 10
US-11-211-917-117
; Sequence 117, Application US/11211917
; Publication No. US20060093600A1
; GENERAL INFORMATION:
```

```
; APPLICANT: BEDIAN, VAHE
; APPLICANT: GLADUE, RONALD P.
; APPLICANT: CORVALAN, JOSE
; APPLICANT: JIA, XIAO-CHI
; APPLICANT: FENG, XIAO
; TITLE OF INVENTION: ANTIBODIES TO CD40
; FILE REFERENCE: ABX-PF/3 US
; CURRENT APPLICATION NUMBER: US/11/211,917
; PRIOR FILING DATE: 2005-08-25
; PRIOR APPLICATION NUMBER: US/10/292,088
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: 60/348,980
; PRIOR FILING DATE: 2001-11-09
; NUMBER OF SEQ ID NOS: 147
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 117
; LENGTH: 123
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-211-917-117
```

```
Query Match          79.4%; Score 518.5; DB 7; Length 123;
Best Local Similarity 80.3%; Pred. No. 2.3e+40;
Matches 102; Conservative 6; Mismatches 10; Indels 9; Gaps 2;
```

```
QY 1 QVQLVESGGGVVQPGKSLRLSCAASGFTFSRYGMHWROAPGKGLEWVAIVSYDGSNKMY 60
   |||||
DB 1 QVQLVESGGGVVQPGKSLRLSCAASGFTFSRYGMHWROAPGKGLEWVAIVSYDGSNKMY 60
   |||||
QY 61 ADSVKGRFTISRDNKNTLLFLQMHSILRAADTVGYFFCAKD-----QLYFGSQSPGHYWGQGL 115
   |||||
DB 61 ADSVKGRFTISRDNKNTLLFLQMHSILRAEDTAVYYCARDYDYYYYYGM-----VWGQGL 116
   |||||
QY 116 TLTVSS 122
   |||||
DB 117 TVTVSS 123
```

```
RESULT 11
US-11-211-917-115
; Sequence 115, Application US/11211917
; Publication No. US20060093600A1
; GENERAL INFORMATION:
; APPLICANT: BEDIAN, VAHE
; APPLICANT: GLADUE, RONALD P.
; APPLICANT: CORVALAN, JOSE
; APPLICANT: JIA, XIAO-CHI
; APPLICANT: FENG, XIAO
; TITLE OF INVENTION: ANTIBODIES TO CD40
; FILE REFERENCE: ABX-PF/3 US
; CURRENT APPLICATION NUMBER: US/11/211,917
; PRIOR FILING DATE: 2005-08-25
; PRIOR APPLICATION NUMBER: US/10/292,088
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: 60/348,980
; PRIOR FILING DATE: 2001-11-09
; NUMBER OF SEQ ID NOS: 147
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 115
; LENGTH: 123
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-211-917-115
```

```
Query Match          79.2%; Score 517.5; DB 7; Length 123;
Best Local Similarity 80.3%; Pred. No. 2.8e+40;
Matches 102; Conservative 6; Mismatches 10; Indels 9; Gaps 2;
```

```
QY 1 QVQLVESGGGVVQPGKSLRLSCAASGFTFSRYGMHWROAPGKGLEWVAIVSYDGSNKMY 60
   |||||
DB 1 QVQLVESGGGVVQPGKSLRLSCAASGFTFSRYGMHWROAPGKGLEWVAIVSYDGSNKMY 60
   |||||
QY 61 ADSVKGRFTISRDNKNTLLFLQMHSILRAADTVGYFFCAKD-----QLYFGSQSPGHYWGQGL 115
   |||||
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Db 61 ADVSXGRTISRDNKNTLYLQMSLRADTAIVYCCAGTGTGYYYGMD----VMGQG 116
QY 116 TLVTWSS 122
Db 117 TTVTVSS 123

RESULT 12
US-11-154-103-19

; Sequence 19, Application US/11154103
; Publication No. US2006009205A1
; GENERAL INFORMATION:
; APPLICANT: ADAMS, GREGORY P.
; APPLICANT: HORAK, EVA M.
; APPLICANT: WEINER, LOUIS M.
; APPLICANT: JAMES, MARKS D.
; TITLE OF INVENTION: BISPECIFIC SINGLE CHAIN FV ANTIBODY MOLECULES AND METHODS OF USE
; FILE REFERENCE: 407T-000420US
; CURRENT APPLICATION NUMBER: US/11/154, 103
; CURRENT FILING DATE: 2005-06-15
; PRIOR APPLICATION NUMBER: US 60/370, 276
; PRIOR FILING DATE: 2002-04-02
; PRIOR APPLICATION NUMBER: US10/406, 830
; PRIOR FILING DATE: 2003-04-04
; NUMBER OF SEQ ID NOS: 57
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 19
; LENGTH: 243
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Synthetic antibody.
US-11-154-103-19

Query Match 79.1%; Score 516.5; DB 7; Length 243;
Best Local Similarity 83.6%; Pred. No. 6.8e-40;
Matches 102; Conservative 4; Mismatches 7; Indels 9; Gaps 1;

QY 1 QVQLVESGGGVQVQPGSRSLRLSCAASGFTFSRYGMHWVQAQPGKGLEWVAIVSYDGSNKYY 60
Db 3 QVQLVESGGGVQVQPGSRSLRLSCAASGFTFSRYGMHWVQAQPGKGLEWVAIVSYDGSNKYY 62
QY 61 ADVSXGRTISRDNKNTLYLQMSLRADTAIVYCCAGTGTGYYYGMD----VMGQGLTV 120
Db 63 ADVSXGRTISRDNKNTLYLQMSLRADTAIVYCCAGTGTGYYYGMD----VMGQGLTV 113
QY 121 SS 122
Db 114 SS 115

RESULT 13
US-10-981-300-45

; Sequence 45, Application US/10981300
; Publication No. US20060093599A1
; GENERAL INFORMATION:
; APPLICANT: GIORGIO SENALDI
; APPLICANT: GADI GAZIT-BORNSTEIN
; TITLE OF INVENTION: ANTI-PROPERDIN ANTIBODIES, AND METHODS
; FILE REFERENCE: ABGX-005
; CURRENT APPLICATION NUMBER: US/10/981,300
; CURRENT FILING DATE: 2004-11-03
; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 45
; LENGTH: 126
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-981-300-45

Query Match 78.9%; Score 515.5; DB 6; Length 126;
Best Local Similarity 79.7%; Pred. No. 4.4e-40;
Matches 102; Conservative 7; Mismatches 10; Indels 9; Gaps 2;

QY 1 QVQLVESGGGVQVQPGSRSLRLSCAASGFTFSRYGMHWVQAQPGKGLEWVAIVSYDGSNKYY 60
Db 1 QVQLVESGGGVQVQPGSRSLRLSCAASGFTFSRYGMHWVQAQPGKGLEWVAIVSYDGSNKYY 60
QY 61 ADVSXGRTISRDNKNTLYLQMSLRADTAIVYCCAGTGTGYYYGMD----VMGQGLTV 114
Db 61 ADVSXGRTISRDNKNTLYLQMSLRADTAIVYCCAGTGTGYYYGMD----VMGQGLTV 117
QY 115 GTLVTVSS 122
Db 118 GTTVTVSS 125

RESULT 14
US-11-337-300-472

; Sequence 472, Application US/11337300
; Publication No. US20060121580A1
; GENERAL INFORMATION:
; APPLICANT: Crucell Holland B.V.
; APPLICANT: ter Meulen, Jan H.
; APPLICANT: De Kruijf, Cornelis A.
; APPLICANT: van den Brink, Edward N.
; TITLE OF INVENTION: Binding molecules against SARS-coronavirus and uses thereof
; FILE REFERENCE: 0091 WO 00 ORD
; CURRENT APPLICATION NUMBER: US/11/337,300
; CURRENT FILING DATE: 2006-01-20
; NUMBER OF SEQ ID NOS: 478
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 472
; LENGTH: 450
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: IgG heavy chain of 03-006
US-11-337-300-472

Query Match 78.9%; Score 515; DB 7; Length 450;
Best Local Similarity 83.1%; Pred. No. 1.7e-39;
Matches 103; Conservative 8; Mismatches 7; Indels 6; Gaps 3;

QY 1 QVQLVESGGGVQVQPGSRSLRLSCAASGFTFSRYGMHWVQAQPGKGLEWVAIVSYDGSNKYY 60
Db 1 EVQLVESGGGLVQPGSRSLRLSCAASGFTFSRYGMHWVQAQPGKGLEWVAIVSYDGSNKYY 60
QY 61 ADVSXGRTISRDNKNTLYLQMSLRADTAIVYCCAGTGTGYYYGMD----VMGQGLTV 118
Db 61 ADVSXGRTISRDNKNTLYLQMSLRADTAIVYCCAGTGTGYYYGMD----VMGQGLTV 116
QY 119 TVSS 122
Db 117 TVSS 120

RESULT 15
US-11-211-917-58

; Sequence 58, Application US/11211917
; Publication No. US20060093600A1
; GENERAL INFORMATION:
; APPLICANT: BEDIAN, VAHE
; APPLICANT: GLADUE, RONALD P.
; APPLICANT: CORVALAN, JOSE
; APPLICANT: JIA, XIAO-CHI
; APPLICANT: FENG, XIAO
; TITLE OF INVENTION: ANTIBODIES TO CD40
; FILE REFERENCE: ARX-PF/3 US
; CURRENT APPLICATION NUMBER: US/11/211,917
; CURRENT FILING DATE: 2005-08-25
; PRIOR APPLICATION NUMBER: US/10/292,088

; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: 60/348,980
; PRIOR FILING DATE: 2001-11-09
; NUMBER OF SEQ ID NOS: 147
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 58
; LENGTH: 125
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-211-917-58

Query Match 78.5%; Score 512.5; DB 7; Length 125;
Best Local Similarity 78.6%; Pred. No. 8.1e-40;
Matches 99; Conservative 11; Mismatches 11; Indels 5; Gaps 2;

QY	1	QVQLVESGGGVVOPGGRSLRLSCAASGFTFSRFGMHWRQAPGKGLEWVAVISYDGSNKKY	60
Db	1	QVQLVESGGGVVOPGGRSLRLSCVASGFTFSNYGMHWROAPGKGLEWVAIIIDGSNKKY	60
QY	61	ADSVKGRFTISRDNKNTLPLOMHSLRADPGVYFCAKDQLYFGSQSPGHY---WGQGT	116
Db	61	ADSVKGRFTISRDNKNTLVQWMSLRADPTAVYYCAR-RGHYGRDYYSYGLDVGQGT	119
QY	117	LVTVSS 122	
Db	120	TVTVSS 125	

Search completed: June 28, 2006, 17:40:51
Job time : 3.8125 secs

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OM protein - protein search, using sw model

Run on: June 28, 2006, 17:36:38 ; Search time 42.7218 Seconds
(without alignments)
667.926 Million cell updates/sec

Title: US-10-687-118-2

Perfect score: 1751
Sequence: 1 ASTKGPSVFPLAPCSRSTSE.....MHALHNYTKSLSPSK 326

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 650591 seqs, 87530628 residues

Total number of hits satisfying chosen parameters: 650591

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_AA.*
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3: /EMC_Celerra_SIDS3/ptodata/2/1aa/7.COMB.pep.*
4: /EMC_Celerra_SIDS3/ptodata/2/1aa/H.COMB.pep.*
5: /EMC_Celerra_SIDS3/ptodata/2/1aa/PTUS.COMB.pep.*
6: /EMC_Celerra_SIDS3/ptodata/2/1aa/RE.COMB.pep.*
7: /EMC_Celerra_SIDS3/ptodata/2/1aa/backfile1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1751	100.0	326	1 US-08-656-586-9	Sequence 9, Appli
2	1747	99.8	461	2 US-09-249-011B-4	Sequence 44, Appli
3	1739	99.3	326	2 US-10-112-582A-2	Sequence 2, Appli
4	1739	99.3	451	2 US-09-472-087-70	Sequence 70, Appli
5	1739	99.3	463	2 US-09-472-087-1	Sequence 1, Appli
6	1739	99.3	463	2 US-09-472-087-4	Sequence 4, Appli
7	1739	99.3	463	2 US-09-472-087-63	Sequence 63, Appli
8	1739	99.3	463	2 US-09-472-087-68	Sequence 68, Appli
9	1739	99.3	464	2 US-09-472-087-2	Sequence 2, Appli
10	1739	99.3	464	2 US-09-472-087-66	Sequence 66, Appli
11	1739	99.3	470	2 US-09-859-053-28	Sequence 28, Appli
12	1739	99.3	470	2 US-09-859-053-32	Sequence 32, Appli
13	1739	99.3	470	2 US-09-859-053-36	Sequence 36, Appli
14	1739	99.3	530	2 US-08-477-460B-4	Sequence 4, Appli
15	1739	99.3	530	2 US-08-379-516-4	Sequence 4, Appli
16	1739	99.3	530	2 US-09-329-916-4	Sequence 4, Appli
17	1739	99.3	530	2 US-08-465-372A-4	Sequence 4, Appli
18	1739	99.3	530	2 US-09-409-006A-4	Sequence 4, Appli
19	1739	99.3	530	2 US-08-484-681-4	Sequence 4, Appli
20	1739	99.3	530	2 US-09-766-995-4	Sequence 4, Appli
21	1739	99.3	530	5 PCT-US93-07422-4	Sequence 4, Appli
22	1736.5	99.2	462	2 US-09-627-896B-24	Sequence 24, Appli
23	1733	99.0	462	2 US-09-472-087-64	Sequence 64, Appli
24	1728	98.7	450	1 US-08-788-800-12	Sequence 12, Appli
25	1728	98.7	469	1 US-07-934-373C-23	Sequence 23, Appli
26	1728	98.7	469	2 US-08-437-642B-23	Sequence 23, Appli

27	1728	98.7	469	2 US-08-146-206C-23	Sequence 23, Appli
28	1728	98.7	469	2 US-09-705-686-23	Sequence 23, Appli
29	1728	98.7	469	2 US-09-705-392A-23	Sequence 23, Appli
30	1728	98.7	469	2 US-09-705-398-23	Sequence 23, Appli
31	1693	96.7	552	5 PCT-US93-07832-23	Sequence 23, Appli
32	1599.5	91.3	460	2 US-10-630-406-5	Sequence 5, Appli
33	1599.5	91.3	447	2 US-08-523-894-12	Sequence 12, Appli
34	1599	91.3	464	2 US-09-674-716B-53	Sequence 53, Appli
35	1596	91.1	330	2 US-09-301-593-22	Sequence 22, Appli
36	1596	91.1	450	2 US-09-996-288-208	Sequence 208, Appli
37	1596	91.1	450	2 US-09-996-288-210	Sequence 210, Appli
38	1596	91.1	450	2 US-09-996-288-212	Sequence 212, Appli
39	1596	91.1	450	2 US-09-996-288-214	Sequence 214, Appli
40	1596	91.1	450	2 US-09-996-288-216	Sequence 216, Appli
41	1596	91.1	450	2 US-09-996-288-218	Sequence 218, Appli
42	1596	91.1	450	2 US-09-996-288-220	Sequence 220, Appli
43	1596	91.1	450	2 US-09-996-288-222	Sequence 222, Appli
44	1596	91.1	450	2 US-09-996-288-224	Sequence 224, Appli
45	1596	91.1	450	2 US-09-996-288-226	Sequence 226, Appli

ALIGNMENTS

RESULT 1
US-08-656-586-9
Sequence 9, Application US/08656586
Patent No. 5834597
GENERAL INFORMATION:
APPLICANT: Tso, J. Yun
APPLICANT: Anasetti, Claudio
TITLE OF INVENTION: Mutated No. 5834597activating IgG2 Domains and NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESS: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/656,586
FILING DATE: 31-MAY-1996
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Liebeschuetz, Joseph O.
REGISTRATION NUMBER: 37,505
REFERENCE/DOCKET NUMBER: 11823-007210US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 326 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Protein
LOCATION: 1..326
OTHER INFORMATION: /note= "heavy chain constant region of OTHER INFORMATION: IgG2 mutant 3"
US-08-656-586-9
Query Match 100.0%; Score 1751; DB 1; Length 326;

Best Local Similarity 100.0%; Pred. No. 4.8e-162;
Matches 326; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 121 LFPKPKDITLMISRTPEVTCVVDVSHEDPEVGFNMVYDGEVHNAKTKPREQFNSTFR 180
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DB 181 VSVLTVVHODMNLNGEKYKCKVSNKGLPAPIEKTISTKGOQPREPOVYTLPPSREEMTKN 240
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OY 241 QVSLTCLVKGFPYSDIAVENESNGOPENNYYKTPPMLDSGSPFLYSKLTVDKSRMOQGN 300
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DB 241 QVSLTCLVKGFPYSDIAVENESNGOPENNYYKTPPMLDSGSPFLYSKLTVDKSRMOQGN 300
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OY 301 VFSCSVMEALHNHYTKSLSPSK 326
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RESULT 2

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US-09-249-011B-44
; Sequence 44, Application US/09249011B
; Patent No. 6972125
; GENERAL INFORMATION:
; APPLICANT: Co. Man Sung
; APPLICANT: Vasquez, Maximiliano
; APPLICANT: Carreno, Beatriz
; APPLICANT: Celinkner, Abbie Cheryl
; APPLICANT: Collins, Mary
; APPLICANT: Goldman, Samuel
; APPLICANT: Gray, Gary S.
; APPLICANT: Knight, Andrea
; APPLICANT: O'Hara, Denise
; APPLICANT: Rud, Bonita
; APPLICANT: Veldman, Geertuuda M.
; TITLE OF INVENTION: HUMANIZED IMMUNOGLOBULIN REACTIVE WITH B7-2 MOLECULES AND METHODS
; FILE REFERENCE: 08702.0081-00000
; CURRENT APPLICATION NUMBER: US/09/249.011B
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 44
; LENGTH: 461
; TYPE: PRT
; ORGANISM: Mus sp.
US-09-249-011B-44
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Query Match 99.8%; Score 1747; DB 2; Length 461;
Best Local Similarity 99.7%; Pred. No. 2e-161;
Matches 325; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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DB 136 ASTKGPSVFPPLACSRSTSESTALGCLVNDYFPEPVTVSNMGALTSGVHTPPAVLQSS 195
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OY 61 GLYSLSSVTVTPSSNFGTQTYTCNVNDHKPSNTKYDKTVERRKCCVECPCPAPPAAPSVF 120
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DB 196 GLYSLSSVTVTPSSNFGTQTYTCNVNDHKPSNTKYDKTVERRKCCVECPCPAPPAAPSVF 255
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OY 121 LFPKPKDITLMISRTPEVTCVVDVSHEDPEVGFNMVYDGEVHNAKTKPREQFNSTFR 180
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DB 256 LFPKPKDITLMISRTPEVTCVVDVSHEDPEVGFNMVYDGEVHNAKTKPREQFNSTFR 315
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OY 181 VSVLTVVHODMNLNGEKYKCKVSNKGLPAPIEKTISTKGOQPREPOVYTLPPSREEMTKN 240
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DB 316 VSVLTVVHODMNLNGEKYKCKVSNKGLPAPIEKTISTKGOQPREPOVYTLPPSREEMTKN 375
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OY 241 QVSLTCLVKGFPYSDIAVENESNGOPENNYYKTPPMLDSGSPFLYSKLTVDKSRMOQGN 300
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|
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DB 376 QVSLTCLVKGFPYSDIAVENESNGOPENNYYKTPPMLDSGSPFLYSKLTVDKSRMOQGN 435
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OY 301 VFSCSVMEALHNHYTKSLSPSK 326
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DB 436 VFSCSVMEALHNHYTKSLSPSK 461
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RESULT 3

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US-10-112-582A-2
; Sequence 2, Application US/10112582A
; Patent No. 6992174
; GENERAL INFORMATION:
; APPLICANT: Gilies, Stephen
; TITLE OF INVENTION: Reducing the Immunogenicity of Fusion Proteins
; FILE REFERENCE: LEX-017
; CURRENT APPLICATION NUMBER: US/10/112.582A
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: US 60/280,625
; NUMBER OF SEQ ID NOS: 59
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 2
; LENGTH: 326
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: human Ig gamma-2 chain C region
US-10-112-582A-2
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Query Match 99.3%; Score 1739; DB 2; Length 326;
Best Local Similarity 99.1%; Pred. No. 7.1e-161;
Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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OY 1 ASTKGPSVFPPLACSRSTSESTALGCLVNDYFPEPVTVSNMGALTSGVHTPPAVLQSS 60
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DB 1 ASTKGPSVFPPLACSRSTSESTALGCLVNDYFPEPVTVSNMGALTSGVHTPPAVLQSS 60
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OY 61 GLYSLSSVTVTPSSNFGTQTYTCNVNDHKPSNTKYDKTVERRKCCVECPCPAPPAAPSVF 120
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DB 61 GLYSLSSVTVTPSSNFGTQTYTCNVNDHKPSNTKYDKTVERRKCCVECPCPAPPAAPSVF 120
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OY 121 LFPKPKDITLMISRTPEVTCVVDVSHEDPEVGFNMVYDGEVHNAKTKPREQFNSTFR 180
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DB 121 LFPKPKDITLMISRTPEVTCVVDVSHEDPEVGFNMVYDGEVHNAKTKPREQFNSTFR 180
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DB 181 VSVLTVVHODMNLNGEKYKCKVSNKGLPAPIEKTISTKGOQPREPOVYTLPPSREEMTKN 240
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OY 241 QVSLTCLVKGFPYSDIAVENESNGOPENNYYKTPPMLDSGSPFLYSKLTVDKSRMOQGN 300
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|
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DB 241 QVSLTCLVKGFPYSDIAVENESNGOPENNYYKTPPMLDSGSPFLYSKLTVDKSRMOQGN 300
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OY 301 VFSCSVMEALHNHYTKSLSPSK 326
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DB 301 VFSCSVMEALHNHYTKSLSPSK 326
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RESULT 4

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US-09-472-087-70
; Sequence 70, Application US/09472087
; Patent No. 6682736
; GENERAL INFORMATION:
; APPLICANT: HANSON, DOUGLAS C.
; APPLICANT: NEVEU, MARK J.
; APPLICANT: MUELLER, ELLEN E.
```

APPLICANT: HANKE, JEFFREY H.
APPLICANT: GILMAN, STEVEN C.
APPLICANT: DAVIS, C. GEOFFREY
APPLICANT: CORVALLAN, JOSE R.
TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES TO CTLA-4
FILE REFERENCE: ABX-PF1
CURRENT APPLICATION NUMBER: US/09/472,087
CURRENT FILING DATE: 1999-12-23
PRIOR APPLICATION NUMBER: 60/113,647
PRIOR FILING DATE: 1998-12-23
NUMBER OF SEQ ID NOS: 147
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 70
LENGTH: 451
TYPE: PRT
ORGANISM: Homo sapiens
US-09-472-087-70

Query Match 99.3%; Score 1739; DB 2; Length 451;
Best Local Similarity 99.1%; Pred. No. 1.2e-160;
Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 ASTGSPVFPPLAPCSRSTSESTALGCLVKDYFPEPVTVSNWNSGALTSGVHTFPAVLQSS 60
DB 126 ASTGSPVFPPLAPCSRSTSESTALGCLVKDYFPEPVTVSNWNSGALTSGVHTFPAVLQSS 185
QY 61 GLYSLSSVTVTPSSNFGQYTTCCVNDHKPSTKVDKVERKCCVCEPCPAPVAGPSVF 120
DB 186 GLYSLSSVTVTPSSNFGQYTTCCVNDHKPSTKVDKVERKCCVCEPCPAPVAGPSVF 245
QY 121 LFPPKPKDTLMISRTPEVTCVVDVSHEDPEVQFNWYDGVGVNAKTKPREEOFNSTFR 180
DB 246 LFPPKPKDTLMISRTPEVTCVVDVSHEDPEVQFNWYDGVGVNAKTKPREEOFNSTFR 305
QY 181 VVSVLTVVHODMLNGEKYCKVSNKGLPAPIEKTISKTKGQPREPQVYTLPPSREEMTKN 240
DB 306 VVSVLTVVHODMLNGEKYCKVSNKGLPAPIEKTISKTKGQPREPQVYTLPPSREEMTKN 365
QY 241 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTPPMLDSDSFLYSKLTVDKSRWQGN 300
DB 366 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTPPMLDSDSFLYSKLTVDKSRWQGN 425
QY 301 VFSCSVMHGALHNHYTQKSLSLSPSK 326
DB 426 VFSCSVMHGALHNHYTQKSLSLSPSK 451

RESULT 5

US-09-472-087-1
Sequence 1, Application US/09472087
Patent No. 6682736
GENERAL INFORMATION:
APPLICANT: HANSON, DOUGLAS C.
APPLICANT: NEVEU, MARK J.
APPLICANT: MUELLER, EILEEN E.
APPLICANT: HANKE, JEFFREY H.
APPLICANT: GILMAN, STEVEN C.
APPLICANT: DAVIS, C. GEOFFREY
APPLICANT: CORVALLAN, JOSE R.
TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES TO CTLA-4
FILE REFERENCE: ABX-PF1
CURRENT APPLICATION NUMBER: US/09/472,087
CURRENT FILING DATE: 1999-12-23
PRIOR APPLICATION NUMBER: 60/113,647
PRIOR FILING DATE: 1998-12-23
NUMBER OF SEQ ID NOS: 147
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
LENGTH: 463
TYPE: PRT
ORGANISM: Homo sapiens
US-09-472-087-1

Query Match 99.3%; Score 1739; DB 2; Length 463;
Best Local Similarity 99.1%; Pred. No. 1.2e-160;
Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 ASTGSPVFPPLAPCSRSTSESTALGCLVKDYFPEPVTVSNWNSGALTSGVHTFPAVLQSS 60
DB 138 ASTGSPVFPPLAPCSRSTSESTALGCLVKDYFPEPVTVSNWNSGALTSGVHTFPAVLQSS 197
QY 61 GLYSLSSVTVTPSSNFGQYTTCCVNDHKPSTKVDKVERKCCVCEPCPAPVAGPSVF 120
DB 198 GLYSLSSVTVTPSSNFGQYTTCCVNDHKPSTKVDKVERKCCVCEPCPAPVAGPSVF 257
QY 121 LFPPKPKDTLMISRTPEVTCVVDVSHEDPEVQFNWYDGVGVNAKTKPREEOFNSTFR 180
DB 258 LFPPKPKDTLMISRTPEVTCVVDVSHEDPEVQFNWYDGVGVNAKTKPREEOFNSTFR 317
QY 318 VVSVLTVVHODMLNGEKYCKVSNKGLPAPIEKTISKTKGQPREPQVYTLPPSREEMTKN 240
DB 318 VVSVLTVVHODMLNGEKYCKVSNKGLPAPIEKTISKTKGQPREPQVYTLPPSREEMTKN 377
QY 241 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTPPMLDSDSFLYSKLTVDKSRWQGN 300
DB 378 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTPPMLDSDSFLYSKLTVDKSRWQGN 437
QY 301 VFSCSVMHGALHNHYTQKSLSLSPSK 326
DB 438 VFSCSVMHGALHNHYTQKSLSLSPSK 463

RESULT 6

US-09-472-087-4
Sequence 4, Application US/09472087
Patent No. 6682736
GENERAL INFORMATION:
APPLICANT: HANSON, DOUGLAS C.
APPLICANT: NEVEU, MARK J.
APPLICANT: MUELLER, EILEEN E.
APPLICANT: HANKE, JEFFREY H.
APPLICANT: GILMAN, STEVEN C.
APPLICANT: DAVIS, C. GEOFFREY
APPLICANT: CORVALLAN, JOSE R.
TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES TO CTLA-4
FILE REFERENCE: ABX-PF1
CURRENT APPLICATION NUMBER: US/09/472,087
CURRENT FILING DATE: 1999-12-23
PRIOR APPLICATION NUMBER: 60/113,647
PRIOR FILING DATE: 1998-12-23
NUMBER OF SEQ ID NOS: 147
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 4
LENGTH: 463
TYPE: PRT
ORGANISM: Homo sapiens
US-09-472-087-4

Query Match 99.3%; Score 1739; DB 2; Length 463;
Best Local Similarity 99.1%; Pred. No. 1.2e-160;
Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 ASTGSPVFPPLAPCSRSTSESTALGCLVKDYFPEPVTVSNWNSGALTSGVHTFPAVLQSS 60
DB 138 ASTGSPVFPPLAPCSRSTSESTALGCLVKDYFPEPVTVSNWNSGALTSGVHTFPAVLQSS 197
QY 61 GLYSLSSVTVTPSSNFGQYTTCCVNDHKPSTKVDKVERKCCVCEPCPAPVAGPSVF 120
DB 198 GLYSLSSVTVTPSSNFGQYTTCCVNDHKPSTKVDKVERKCCVCEPCPAPVAGPSVF 257
QY 121 LFPPKPKDTLMISRTPEVTCVVDVSHEDPEVQFNWYDGVGVNAKTKPREEOFNSTFR 180
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QY 318 VVSVLTVVHODMLNGEKYCKVSNKGLPAPIEKTISKTKGQPREPQVYTLPPSREEMTKN 240

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Db 318 VSVLTVVHODMNGEKYCKVSNKGLPAPIEKTISTKQGPREFPVYTLPPSREEMTKN 377
QY 241 QVSLTCLVKGFPYSDIAVENESNGOPENNYKTPPMLDSDGSFFLYSKLTVDKSRMOGN 300
Db 378 QVSLTCLVKGFPYSDIAVENESNGOPENNYKTPPMLDSDGSFFLYSKLTVDKSRMOGN 437
QY 301 VFSCSVMHGALHNHYTQKSLSLSPSK 326
Db 438 VFSCSVMHGALHNHYTQKSLSLSPGK 463

RESULT 7
US-09-472-087-63
; Sequence 63, Application US/09472087
; Patent No. 6682736
; GENERAL INFORMATION:
; APPLICANT: HANSON, DOUGLAS C.
; APPLICANT: NEVEU, MARK J.
; APPLICANT: MUELLER, EILEEN E.
; APPLICANT: HANKE, JEFFREY H.
; APPLICANT: GILMAN, STEVEN C.
; APPLICANT: DAVIS, C. GEOFFREY
; APPLICANT: CORVALAN, JOSE R.
; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES TO CTLA-4
; FILE REFERENCE: ABX-PFI
; CURRENT APPLICATION NUMBER: US/09/472,087
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: 60/113,647
; PRIOR FILING DATE: 1998-12-23
; NUMBER OF SEQ ID NOS: 147
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 63
; LENGTH: 463
; TYPE: PRT
; ORGANISM: Homo sapiens
us-09-472-087-63

Query Match 99.3%; Score 1739; DB 2; Length 463;
Best Local Similarity 99.1%; Pred. No. 1.2e-160;
Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 ASTKGSVFPLACSRSTSTSTALGCLVNDYFPEPVYVWNSGALTSVHTPPAVLQSS 60
Db 138 ASTKGSVFPLACSRSTSTSTALGCLVNDYFPEPVYVWNSGALTSVHTPPAVLQSS 197
QY 61 GLYSLSVVTVPPSSNGTQYTCNVDHKPSNTKYDKTVERKCCVCEPCPCAPPAASVF 120
Db 198 GLYSLSVVTVPPSSNGTQYTCNVDHKPSNTKYDKTVERKCCVCEPCPCAPPAASVF 257
QY 121 LPPPKPDITLMISRTPEVTCVVVDVSHEDPEVFQFNMYVDGVEVHNAKTKPREQFNSTFR 180
Db 258 LPPPKPDITLMISRTPEVTCVVVDVSHEDPEVFQFNMYVDGVEVHNAKTKPREQFNSTFR 317
QY 181 VSVLTVVHODMNGEKYCKVSNKGLPAPIEKTISTKQGPREFPVYTLPPSREEMTKN 240
Db 318 VSVLTVVHODMNGEKYCKVSNKGLPAPIEKTISTKQGPREFPVYTLPPSREEMTKN 377
QY 241 QVSLTCLVKGFPYSDIAVENESNGOPENNYKTPPMLDSDGSFFLYSKLTVDKSRMOGN 300
Db 378 QVSLTCLVKGFPYSDIAVENESNGOPENNYKTPPMLDSDGSFFLYSKLTVDKSRMOGN 437
QY 301 VFSCSVMHGALHNHYTQKSLSLSPSK 326
Db 438 VFSCSVMHGALHNHYTQKSLSLSPGK 463

RESULT 8
US-09-472-087-68
; Sequence 68, Application US/09472087
; Patent No. 6682736
; GENERAL INFORMATION:
; APPLICANT: HANSON, DOUGLAS C.
; APPLICANT: NEVEU, MARK J.
```

```
; APPLICANT: MUELLER, EILEEN E.
; APPLICANT: HANKE, JEFFREY H.
; APPLICANT: GILMAN, STEVEN C.
; APPLICANT: DAVIS, C. GEOFFREY
; APPLICANT: CORVALAN, JOSE R.
; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES TO CTLA-4
; FILE REFERENCE: ABX-PFI
; CURRENT APPLICATION NUMBER: US/09/472,087
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: 60/113,647
; PRIOR FILING DATE: 1998-12-23
; NUMBER OF SEQ ID NOS: 147
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 68
; LENGTH: 463
; TYPE: PRT
; ORGANISM: Homo sapiens
us-09-472-087-68

Query Match 99.3%; Score 1739; DB 2; Length 463;
Best Local Similarity 99.1%; Pred. No. 1.2e-160;
Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 ASTKGSVFPLACSRSTSTSTALGCLVNDYFPEPVYVWNSGALTSVHTPPAVLQSS 60
Db 138 ASTKGSVFPLACSRSTSTSTALGCLVNDYFPEPVYVWNSGALTSVHTPPAVLQSS 197
QY 61 GLYSLSVVTVPPSSNGTQYTCNVDHKPSNTKYDKTVERKCCVCEPCPCAPPAASVF 120
Db 198 GLYSLSVVTVPPSSNGTQYTCNVDHKPSNTKYDKTVERKCCVCEPCPCAPPAASVF 257
QY 121 LPPPKPDITLMISRTPEVTCVVVDVSHEDPEVFQFNMYVDGVEVHNAKTKPREQFNSTFR 180
Db 258 LPPPKPDITLMISRTPEVTCVVVDVSHEDPEVFQFNMYVDGVEVHNAKTKPREQFNSTFR 317
QY 181 VSVLTVVHODMNGEKYCKVSNKGLPAPIEKTISTKQGPREFPVYTLPPSREEMTKN 240
Db 318 VSVLTVVHODMNGEKYCKVSNKGLPAPIEKTISTKQGPREFPVYTLPPSREEMTKN 377
QY 241 QVSLTCLVKGFPYSDIAVENESNGOPENNYKTPPMLDSDGSFFLYSKLTVDKSRMOGN 300
Db 378 QVSLTCLVKGFPYSDIAVENESNGOPENNYKTPPMLDSDGSFFLYSKLTVDKSRMOGN 437
QY 301 VFSCSVMHGALHNHYTQKSLSLSPSK 326
Db 438 VFSCSVMHGALHNHYTQKSLSLSPGK 463

RESULT 9
US-09-472-087-2
; Sequence 2, Application US/09472087
; Patent No. 6682736
; GENERAL INFORMATION:
; APPLICANT: HANSON, DOUGLAS C.
; APPLICANT: NEVEU, MARK J.
; APPLICANT: MUELLER, EILEEN E.
; APPLICANT: HANKE, JEFFREY H.
; APPLICANT: GILMAN, STEVEN C.
; APPLICANT: DAVIS, C. GEOFFREY
; APPLICANT: CORVALAN, JOSE R.
; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES TO CTLA-4
; FILE REFERENCE: ABX-PFI
; CURRENT APPLICATION NUMBER: US/09/472,087
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: 60/113,647
; PRIOR FILING DATE: 1998-12-23
; NUMBER OF SEQ ID NOS: 147
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 464
; TYPE: PRT
; ORGANISM: Homo sapiens
us-09-472-087-2
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Query Match 99.3%; Score 1739; DB 2; Length 464;
Best Local Similarity 99.1%; Pred. No. 1.2e-160;
Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 ASTGSPVFLPACSRSTSESTALGCLVNDYFPEPTVSNWNSGALTSGVHTFPVAVLOSS 60
Db 139 ASTGSPVFLPACSRSTSESTALGCLVNDYFPEPTVSNWNSGALTSGVHTFPVAVLOSS 198
Qy 61 GLYSLSSVTVTPSSNFGTQTYTCNVNDHKPSNTKVDKTVERRKCCVCEPCCPAPPAAPSVF 120
Db 199 GLYSLSSVTVTPSSNFGTQTYTCNVNDHKPSNTKVDKTVERRKCCVCEPCCPAPPAAPSVF 258
Qy 121 LPPPKPDTLMISRTPEVTCVVVDVSHEDPEVQFNWYVDGVEVHNATKPREEQFNSTFR 180
Db 259 LPPPKPDTLMISRTPEVTCVVVDVSHEDPEVQFNWYVDGVEVHNATKPREEQFNSTFR 318
Qy 181 VVSVLTVVHODMLNGKEYKCKVSNKGLPAPIEKTISKTKGQPREPQVYTLPPSREEMTKN 240
Db 319 VVSVLTVVHODMLNGKEYKCKVSNKGLPAPIEKTISKTKGQPREPQVYTLPPSREEMTKN 378
Qy 241 QVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTPEMLDSDGSFPLYSKLTVDKSRMOQGN 300
Db 379 QVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTPEMLDSDGSFPLYSKLTVDKSRMOQGN 438
Qy 301 VFSCSVHREALHNHYTKSLSPSK 326
Db 439 VFSCSVHREALHNHYTKSLSPSK 464

RESULT 10

US-09-472-087-66
; Sequence 66, Application US/09472087
; Patent No. 6682736
; GENERAL INFORMATION:
; APPLICANT: HANSON, DOUGLAS C.
; APPLICANT: NEVEU, MARK J.
; APPLICANT: MUELLER, EILEEN E.
; APPLICANT: HANKE, JEFFREY H.
; APPLICANT: GILMAN, STEVEN C.
; APPLICANT: DAVIS, C. GEOFFREY
; APPLICANT: CORVALAN, JOSE R.
; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES TO CTLA-4
; FILE REFERENCE: ABX-PP1
; CURRENT APPLICATION NUMBER: US/09/472,087
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: 60/113,647
; PRIOR FILING DATE: 1998-12-23
; NUMBER OF SEQ ID NOS: 147
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 66
; LENGTH: 464
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-472-087-66

Query Match 99.3%; Score 1739; DB 2; Length 464;
Best Local Similarity 99.1%; Pred. No. 1.2e-160;
Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 ASTGSPVFLPACSRSTSESTALGCLVNDYFPEPTVSNWNSGALTSGVHTFPVAVLOSS 60
Db 139 ASTGSPVFLPACSRSTSESTALGCLVNDYFPEPTVSNWNSGALTSGVHTFPVAVLOSS 198
Qy 61 GLYSLSSVTVTPSSNFGTQTYTCNVNDHKPSNTKVDKTVERRKCCVCEPCCPAPPAAPSVF 120
Db 199 GLYSLSSVTVTPSSNFGTQTYTCNVNDHKPSNTKVDKTVERRKCCVCEPCCPAPPAAPSVF 258
Qy 121 LPPPKPDTLMISRTPEVTCVVVDVSHEDPEVQFNWYVDGVEVHNATKPREEQFNSTFR 180
Db 259 LPPPKPDTLMISRTPEVTCVVVDVSHEDPEVQFNWYVDGVEVHNATKPREEQFNSTFR 318
Qy 181 VVSVLTVVHODMLNGKEYKCKVSNKGLPAPIEKTISKTKGQPREPQVYTLPPSREEMTKN 240

Db 319 VVSVLTVVHODMLNGKEYKCKVSNKGLPAPIEKTISKTKGQPREPQVYTLPPSREEMTKN 378
Qy 241 QVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTPEMLDSDGSFPLYSKLTVDKSRMOQGN 300
Db 379 QVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTPEMLDSDGSFPLYSKLTVDKSRMOQGN 438
Qy 301 VFSCSVHREALHNHYTKSLSPSK 326
Db 439 VFSCSVHREALHNHYTKSLSPSK 464

RESULT 11

US-09-859-053-28
; Sequence 28, Application US/09859053
; Patent No. 6803039
; GENERAL INFORMATION:
; APPLICANT: Tezuka, Katsunari
; APPLICANT: Hori, No. 6803039uaki
; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODY AGAINST A
; TITLE OF INVENTION: PHARMACEUTICAL USE THEREOF
; FILE REFERENCE: 06501-079001
; CURRENT APPLICATION NUMBER: US/09/859,053
; PRIOR FILING DATE: 2001-05-16
; PRIOR APPLICATION NUMBER: JP 2001-99508
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: JP 2000-147116
; PRIOR FILING DATE: 2000-05-18
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 28
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-859-053-28

Query Match 99.3%; Score 1739; DB 2; Length 470;
Best Local Similarity 99.1%; Pred. No. 1.2e-160;
Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 ASTGSPVFLPACSRSTSESTALGCLVNDYFPEPTVSNWNSGALTSGVHTFPVAVLOSS 60
Db 145 ASTGSPVFLPACSRSTSESTALGCLVNDYFPEPTVSNWNSGALTSGVHTFPVAVLOSS 204
Qy 61 GLYSLSSVTVTPSSNFGTQTYTCNVNDHKPSNTKVDKTVERRKCCVCEPCCPAPPAAPSVF 120
Db 205 GLYSLSSVTVTPSSNFGTQTYTCNVNDHKPSNTKVDKTVERRKCCVCEPCCPAPPAAPSVF 264
Qy 121 LPPPKPDTLMISRTPEVTCVVVDVSHEDPEVQFNWYVDGVEVHNATKPREEQFNSTFR 180
Db 265 LPPPKPDTLMISRTPEVTCVVVDVSHEDPEVQFNWYVDGVEVHNATKPREEQFNSTFR 324
Qy 181 VVSVLTVVHODMLNGKEYKCKVSNKGLPAPIEKTISKTKGQPREPQVYTLPPSREEMTKN 240
Db 325 VVSVLTVVHODMLNGKEYKCKVSNKGLPAPIEKTISKTKGQPREPQVYTLPPSREEMTKN 384
Qy 241 QVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTPEMLDSDGSFPLYSKLTVDKSRMOQGN 300
Db 385 QVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTPEMLDSDGSFPLYSKLTVDKSRMOQGN 444
Qy 301 VFSCSVHREALHNHYTKSLSPSK 326
Db 445 VFSCSVHREALHNHYTKSLSPSK 470

RESULT 12

US-09-859-053-32
; Sequence 32, Application US/09859053
; Patent No. 6803039
; GENERAL INFORMATION:
; APPLICANT: Tezuka, Katsunari

APPLICANT: Tezuka, Katsunari
APPLICANT: Hori, No. 6803039uaki
TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODY AGAINST A
TITLE OF INVENTION: COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE ALLIM AND
TITLE OF INVENTION: PHARMACEUTICAL USE THEREOF
FILE REFERENCE: 06501-079001
CURRENT APPLICATION NUMBER: US/09/859,053
CURRENT FILING DATE: 2001-05-16
PRIOR APPLICATION NUMBER: JP 2001-99508
PRIOR FILING DATE: 2001-03-30
PRIOR APPLICATION NUMBER: JP 2000-147116
PRIOR FILING DATE: 2000-05-18
NUMBER OF SEQ ID NOS: 43
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 32
LENGTH: 470
TYPE: PRT
ORGANISM: Homo sapiens
US-09-859-053-32

Query Match 99.3%; Score 1739; DB 2; Length 470;
Best Local Similarity 99.1%; Pred. No. 1.2e-160;

Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 ASTKGSPVPLACSSSTSESTALGCLVDFPEPVTSWNSGALTSVHTFPAYLQSS 60
DB 145 ASTKGSPVPLACSSSTSESTALGCLVDFPEPVTSWNSGALTSVHTFPAYLQSS 204
QY 61 GLYSLSVTVTPSSNGTQTYTCNVDHKPSNTVDKVERKCCVECPGCPAPPAASVF 120
DB 205 GLYSLSVTVTPSSNGTQTYTCNVDHKPSNTVDKVERKCCVECPGCPAPPAASVF 264
QY 121 LPPPKRDLTMSRTREVTCCVVDVSHDEPEVOFNNYVDCVEVHNAKTKPREQFNSTFR 180
DB 265 LPPPKRDLTMSRTREVTCCVVDVSHDEPEVOFNNYVDCVEVHNAKTKPREQFNSTFR 324
QY 181 VSVLTGVHODWLNKGEYKCKVSNKGLPAPIEKTISTKGQPREPOVYTLPPSREEMTKN 240
DB 325 VSVLTGVHODWLNKGEYKCKVSNKGLPAPIEKTISTKGQPREPOVYTLPPSREEMTKN 384
QY 241 QVSLTCLVKGFPYSDIAVEMESNGQPENNYKTPPMLDSDGSFFLYSKLTVDKSRWQGN 300
DB 385 QVSLTCLVKGFPYSDIAVEMESNGQPENNYKTPPMLDSDGSFFLYSKLTVDKSRWQGN 444
QY 301 VFSCSYMHBLAHNYTKSLSPSK 326
DB 445 VFSCSYMHBLAHNYTKSLSPSK 470

RESULT 13
US-09-859-053-36

Sequence 36, Application US/09859053
Patent No. 6803039

GENERAL INFORMATION:

APPLICANT: Tezuka, Katsunari

APPLICANT: Hori, No. 6803039uaki

TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODY AGAINST A

TITLE OF INVENTION: COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE ALLIM AND

TITLE OF INVENTION: PHARMACEUTICAL USE THEREOF

FILE REFERENCE: 06501-079001

CURRENT APPLICATION NUMBER: US/09/859,053

CURRENT FILING DATE: 2001-05-16

PRIOR APPLICATION NUMBER: JP 2001-99508

PRIOR FILING DATE: 2001-03-30

PRIOR APPLICATION NUMBER: JP 2000-147116

PRIOR FILING DATE: 2000-05-18

NUMBER OF SEQ ID NOS: 43

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 36

LENGTH: 470

TYPE: PRT

ORGANISM: Homo sapiens

US-09-859-053-36

Query Match 99.3%; Score 1739; DB 2; Length 470;
Best Local Similarity 99.1%; Pred. No. 1.2e-160;

Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 ASTKGSPVPLACSSSTSESTALGCLVDFPEPVTSWNSGALTSVHTFPAYLQSS 60
DB 145 ASTKGSPVPLACSSSTSESTALGCLVDFPEPVTSWNSGALTSVHTFPAYLQSS 204
QY 61 GLYSLSVTVTPSSNGTQTYTCNVDHKPSNTVDKVERKCCVECPGCPAPPAASVF 120
DB 205 GLYSLSVTVTPSSNGTQTYTCNVDHKPSNTVDKVERKCCVECPGCPAPPAASVF 264
QY 121 LPPPKRDLTMSRTREVTCCVVDVSHDEPEVOFNNYVDCVEVHNAKTKPREQFNSTFR 180
DB 265 LPPPKRDLTMSRTREVTCCVVDVSHDEPEVOFNNYVDCVEVHNAKTKPREQFNSTFR 324
QY 181 VSVLTGVHODWLNKGEYKCKVSNKGLPAPIEKTISTKGQPREPOVYTLPPSREEMTKN 240
DB 325 VSVLTGVHODWLNKGEYKCKVSNKGLPAPIEKTISTKGQPREPOVYTLPPSREEMTKN 384
QY 241 QVSLTCLVKGFPYSDIAVEMESNGQPENNYKTPPMLDSDGSFFLYSKLTVDKSRWQGN 300
DB 385 QVSLTCLVKGFPYSDIAVEMESNGQPENNYKTPPMLDSDGSFFLYSKLTVDKSRWQGN 444
QY 301 VFSCSYMHBLAHNYTKSLSPSK 326
DB 445 VFSCSYMHBLAHNYTKSLSPSK 470

RESULT 14
US-08-477-460B-4

Sequence 4, Application US/08477460B
Patent No. 6034223

GENERAL INFORMATION:

APPLICANT: Progenics Pharmaceuticals, Inc.

TITLE OF INVENTION: NON-PEPTIDYL MOIETY-CONJUGATED

TITLE OF INVENTION: CD4-GAMMA2 AND CD4-19G2 IMMUNOCONJUGATES, AND USES THEREOF

NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:

ADDRESSEE: Cooper & Dunham

STREET: 30 Rockefeller Plaza

CITY: New York

STATE: New York

COUNTRY: USA

ZIP: 10112

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.24

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/477,460B

FILING DATE: 07-JUN-1995

CLASSIFICATION: 530

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/927,931

FILING DATE: 07-AUG-1992

ATTORNEY/AGENT INFORMATION:

NAME: White, John P.

REGISTRATION NUMBER: 28,678

REFERENCE/DOCKET NUMBER: 41215-A-PCT/JPW/AJM

TELECOMMUNICATION INFORMATION:

TELEPHONE: (212) 977-9550

TELEFAX: (212) 977-9809

TELEX: 422523 COOP UI

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 530 amino acids

TYPE: amino acid

STRANDEDNESS: unknown

TOPOLOGY: unknown

MOLECULE TYPE: cDNA
ORIGINAL SOURCE:
ORGANISM: homo sapien
CELL TYPE: lymphocyte
US-08-477-460B-4

Query Match 99.3%; Score 1739; DB 2; Length 530;
Best Local Similarity 99.1%; Pred. No. 1.5e-160;
Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 ASTGPGSVFPLAPCSRSTSESTALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSS 60
DB 205 ASTKGPVSFPLAPCSRSTSESTALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSS 264
QY 61 GLYSLSVVTVPSNFGTQYTCNVNDHKPSNTKVDKTERKCCVCECPCPAPPAAPSVF 120
DB 265 GLYSLSVVTVPSNFGTQYTCNVNDHKPSNTKVDKTERKCCVCECPCPAPPAAPSVF 324
QY 121 LFPKPKDTLMISRTPEVTCVVDVSHEDPEVQFMNVDGVEVHNAKTKPREEQFNSTFR 180
DB 325 LFPKPKDTLMISRTPEVTCVVDVSHEDPEVQFMNVDGVEVHNAKTKPREEQFNSTFR 384
QY 181 VVSULTVHHQDMLNGKEYKCKVSNKGLPAPIEKTISKTKGQPREPOVYITLPPSRREEMTKN 240
DB 385 VVSULTVHHQDMLNGKEYKCKVSNKGLPAPIEKTISKTKGQPREPOVYITLPPSRREEMTKN 444
QY 241 QVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTPMLLDSDGSFFLYSKLTVDKSRWQQGN 300
DB 445 QVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTPMLLDSDGSFFLYSKLTVDKSRWQQGN 504
QY 301 VFSCSVMEALHNHYTQKSLSLSPSK 326
DB 505 VFSCSVMEALHNHYTQKSLSLSPSK 530

RESULT 15

US-08-379-516-4
Sequence 4, Application US/08379516
Patent No. 6083478
GENERAL INFORMATION:
APPLICANT: Allaway, Graham P.
APPLICANT: Maddon, Paul J.
TITLE OF INVENTION: No. 6083478-Peptide1 Moiety-Conjugated CD4-Gamma2 and CD4-1IgG2
TITLE OF INVENTION: Immunocjugates and Uses Thereof
FILE REFERENCE: 41215-A-PCT-US
CURRENT APPLICATION NUMBER: US/08/379,516
CURRENT FILING DATE: 1996-06-10
EARLIER APPLICATION NUMBER: PCT/US93/07422
EARLIER FILING DATE: 1993-08-06
EARLIER APPLICATION NUMBER: 07/927,931
EARLIER FILING DATE: 1992-08-07
NUMBER OF SEQ ID NOS: 9
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 4
LENGTH: 530
TYPE: PRT
ORGANISM: Homo sapiens
US-08-379-516-4

Query Match 99.3%; Score 1739; DB 2; Length 530;
Best Local Similarity 99.1%; Pred. No. 1.5e-160;
Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 ASTGPGSVFPLAPCSRSTSESTALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSS 60
DB 205 ASTGPGSVFPLAPCSRSTSESTALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSS 264
QY 61 GLYSLSVVTVPSNFGTQYTCNVNDHKPSNTKVDKTERKCCVCECPCPAPPAAPSVF 120
DB 265 GLYSLSVVTVPSNFGTQYTCNVNDHKPSNTKVDKTERKCCVCECPCPAPPAAPSVF 324
QY 121 LFPKPKDTLMISRTPEVTCVVDVSHEDPEVQFMNVDGVEVHNAKTKPREEQFNSTFR 180

DB 325 LFPKPKDTLMISRTPEVTCVVDVSHEDPEVQFMNVDGVEVHNAKTKPREEQFNSTFR 384
QY 181 VVSULTVHHQDMLNGKEYKCKVSNKGLPAPIEKTISKTKGQPREPOVYITLPPSRREEMTKN 240
DB 385 VVSULTVHHQDMLNGKEYKCKVSNKGLPAPIEKTISKTKGQPREPOVYITLPPSRREEMTKN 444
QY 241 QVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTPMLLDSDGSFFLYSKLTVDKSRWQQGN 300
DB 445 QVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTPMLLDSDGSFFLYSKLTVDKSRWQQGN 504
QY 301 VFSCSVMEALHNHYTQKSLSLSPSK 326
DB 505 VFSCSVMEALHNHYTQKSLSLSPSK 530

Search completed: June 28, 2006, 17:39:01
Job time : 43.7218 secs

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GenCore version 5.1.9
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: June 28, 2006, 17:39:20 ; Search time 145.254 Seconds
(without alignments)
1039.613 Million cell updates/sec

Title: US-10-687-118-2

Perfect score: 1751
Sequence: 1 ASTGSPSVFPLAPCSRSTSE.....MHKALHNYTKSLSPSK 326

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2097797 seqs, 463214858 residues

Total number of hits satisfying chosen parameters: 2097797

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications_AA_Main:
1: /EMC_Celerra_SIDS3/ptodata/2/pubppaa/US07_PUBCOMB pep:*
2: /EMC_Celerra_SIDS3/ptodata/2/pubppaa/US08_PUBCOMB pep:*
3: /EMC_Celerra_SIDS3/ptodata/2/pubppaa/US09_PUBCOMB pep:*
4: /EMC_Celerra_SIDS3/ptodata/2/pubppaa/US10_PUBCOMB pep:*
5: /EMC_Celerra_SIDS3/ptodata/2/pubppaa/US10B_PUBCOMB pep:*
6: /EMC_Celerra_SIDS3/ptodata/2/pubppaa/US11_PUBCOMB pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1751	100.0	326	5	US-10-822-300-2
2	1751	100.0	326	5	US-10-687-118-2
3	1751	100.0	326	6	US-11-102-621-2
4	1749	99.9	326	5	US-10-822-300-36
5	1749	99.9	326	5	US-10-822-300-38
6	1749	99.9	326	5	US-10-687-118-36
7	1749	99.9	326	5	US-10-687-118-38
8	1749	99.9	326	6	US-11-102-621-36
9	1749	99.9	326	6	US-10-822-300-45
10	1748	99.8	326	5	US-10-822-300-57
11	1748	99.8	326	5	US-10-687-118-45
12	1748	99.8	326	5	US-10-687-118-57
13	1748	99.8	326	5	US-10-687-118-57
14	1748	99.8	326	6	US-11-102-621-45
15	1748	99.8	326	6	US-11-102-621-57
16	1748	99.8	446	6	US-10-822-300-138
17	1748	99.8	446	6	US-11-102-621-138
18	1747	99.8	326	5	US-10-822-300-25
19	1747	99.8	326	5	US-10-822-300-33
20	1747	99.8	326	5	US-10-822-300-55
21	1747	99.8	326	5	US-10-822-300-64
22	1747	99.8	326	5	US-10-687-118-25
23	1747	99.8	326	5	US-10-687-118-33
24	1747	99.8	326	5	US-10-687-118-55
25	1747	99.8	326	5	US-10-687-118-54
26	1747	99.8	326	6	US-11-102-621-25
27	1747	99.8	326	6	US-11-102-621-33

28	1747	99.8	326	6	US-11-102-621-55	Sequence 55, Appl
29	1747	99.8	326	6	US-11-102-621-64	Sequence 64, Appl
30	1747	99.8	461	3	US-09-249-011A-24	Sequence 24, Appl
31	1746	99.7	326	5	US-10-822-300-10	Sequence 10, Appl
32	1746	99.7	326	5	US-10-822-300-21	Sequence 21, Appl
33	1746	99.7	326	5	US-10-822-300-26	Sequence 26, Appl
34	1746	99.7	326	5	US-10-822-300-29	Sequence 29, Appl
35	1746	99.7	326	5	US-10-822-300-30	Sequence 30, Appl
36	1746	99.7	326	5	US-10-822-300-44	Sequence 44, Appl
37	1746	99.7	326	5	US-10-822-300-47	Sequence 47, Appl
38	1746	99.7	326	5	US-10-822-300-52	Sequence 52, Appl
39	1746	99.7	326	5	US-10-822-300-60	Sequence 60, Appl
40	1746	99.7	326	5	US-10-687-118-10	Sequence 10, Appl
41	1746	99.7	326	5	US-10-687-118-21	Sequence 21, Appl
42	1746	99.7	326	5	US-10-687-118-26	Sequence 26, Appl
43	1746	99.7	326	5	US-10-687-118-29	Sequence 29, Appl
44	1746	99.7	326	5	US-10-687-118-30	Sequence 30, Appl
45	1746	99.7	326	5	US-10-687-118-44	Sequence 44, Appl

ALIGNMENTS

RESULT 1
US-10-822-300-2
; Sequence 2, Application US/10822300
; Publication No. US20050014934A1
; GENERAL INFORMATION:
; APPLICANT: Hinton, et al.
; TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
; FILE REFERENCE: 05882, 0039, CPUS01
; CURRENT FILING DATE: 2004-04-09
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
; LENGTH: 326
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-822-300-2
Query Match 100.0%; Score 1751; DB 5; Length 326;
Best Local Similarity 100.0%; Pred. No. 6.1e-131;
Matches 326; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 ASTGSPSVFPLAPCSRSTSESTALGCLVXDYFPEPVTVSNNGALISGVHTFPAVLQSS 60
Db 1 ASTGSPSVFPLAPCSRSTSESTALGCLVXDYFPEPVTVSNNGALISGVHTFPAVLQSS 60
QY 61 GLYSLSSVTVVPSSNFGQTQYTCNVVDKRPSTKVDKVERKCCVECPCPAPPAAPSVF 120
Db 61 GLYSLSSVTVVPSSNFGQTQYTCNVVDKRPSTKVDKVERKCCVECPCPAPPAAPSVF 120
QY 121 LFPKPKDTLMIKSTPEVTCVVDVSHEDPEVQFNMYVDGVVNAKTRPEEQFNSTFR 180
Db 121 LFPKPKDTLMIKSTPEVTCVVDVSHEDPEVQFNMYVDGVVNAKTRPEEQFNSTFR 180
QY 181 VVSVLTVVHODMLNGEKYCKVSNKGLPAPLEKTIKTKGQPREQVYVTLTPPSREEMTKN 240
Db 181 VVSVLTVVHODMLNGEKYCKVSNKGLPAPLEKTIKTKGQPREQVYVTLTPPSREEMTKN 240
QY 241 QVSLTCLVKGFPDIAVWESNCPENNYKTPPMIDSDGSPFLYSKLTVDKSRWQGN 300
Db 241 QVSLTCLVKGFPDIAVWESNCPENNYKTPPMIDSDGSPFLYSKLTVDKSRWQGN 300
QY 301 VFSCSVHKAHNYTKSLSPSK 326
Db 301 VFSCSVHKAHNYTKSLSPSK 326
RESULT 2
US-10-687-118-2

RESULT 5
US-10-822-300-38
; Sequence 38, Application US/10622300
; Publication No. US20050014934A1
; GENERAL INFORMATION:
; APPLICANT: Hinton, et al.
; TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
; TITLE OF INVENTION: ANTIBODIES BY MUTAGENESIS
; FILE REFERENCE: 05882.0039.CPUS01
; CURRENT APPLICATION NUMBER: US/10/822.300
; CURRENT FILING DATE: 2004-04-09
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 38
; LENGTH: 326
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-822-300-38

Query Match 99.9%; Score 1749; DB 5; Length 326;
Best Local Similarity 99.7%; Pred. No. 8.9e-131;
Matches 325; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTGSPVFPPLAPCSRSTSESTAAAGCLVKDYFPEPVTVSNWNSGALTSGVHTFPAIVLQSS 60
DB 1 ASTGSPVFPPLAPCSRSTSESTAAAGCLVKDYFPEPVTVSNWNSGALTSGVHTFPAIVLQSS 60
QY 61 GLYSLSSVTVTPSSNFGTQYTTCNVDHKPSNTKVDKTYERKCCVCEPCPCPAPPAAPSVF 120
DB 61 GLYSLSSVTVTPSSNFGTQYTTCNVDHKPSNTKVDKTYERKCCVCEPCPCPAPPAAPSVF 120
QY 121 LFPKPQDTLMISTPEVTCVVDVSHEDPEVOFNMVVDGVEVNAKTKPREEOFNSTFR 180
DB 121 LFPKPQDTLMISTPEVTCVVDVSHEDPEVOFNMVVDGVEVNAKTKPREEOFNSTFR 180
QY 181 VVSVLTVVHODMLNGEKYKCKVSNKGLPAPIEKTISKTKGQPREPOVYTLPPSRHEEMTKN 240
DB 181 VVSVLTVVHODMLNGEKYKCKVSNKGLPAPIEKTISKTKGQPREPOVYTLPPSRHEEMTKN 240
QY 241 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTTPMLDSGSPFLYSKLTVDKSRWQGN 300
DB 241 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTTPMLDSGSPFLYSKLTVDKSRWQGN 300
QY 301 VFSCSVNHEALHNHYTQKSLSLSPSK 326
DB 301 VFSCSVNHEALHNHYTQKSLSLSPSK 326

RESULT 6
US-10-687-118-36
; Sequence 36, Application US/10687118
; Publication No. US20050032114A1
; GENERAL INFORMATION:
; APPLICANT: Hinton, et al.
; TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
; TITLE OF INVENTION: ANTIBODIES BY MUTAGENESIS
; FILE REFERENCE: 05882.0039.NPUS04
; CURRENT APPLICATION NUMBER: US/10/687.118
; CURRENT FILING DATE: 2003-10-15
; NUMBER OF SEQ ID NOS: 112
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 36
; LENGTH: 326
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-687-118-36

Query Match 99.9%; Score 1749; DB 5; Length 326;
Best Local Similarity 99.7%; Pred. No. 8.9e-131;
Matches 325; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTGSPVFPPLAPCSRSTSESTAAAGCLVKDYFPEPVTVSNWNSGALTSGVHTFPAIVLQSS 60
DB 1 ASTGSPVFPPLAPCSRSTSESTAAAGCLVKDYFPEPVTVSNWNSGALTSGVHTFPAIVLQSS 60
QY 61 GLYSLSSVTVTPSSNFGTQYTTCNVDHKPSNTKVDKTYERKCCVCEPCPCPAPPAAPSVF 120
DB 61 GLYSLSSVTVTPSSNFGTQYTTCNVDHKPSNTKVDKTYERKCCVCEPCPCPAPPAAPSVF 120
QY 121 LFPKPQDTLMISTPEVTCVVDVSHEDPEVOFNMVVDGVEVNAKTKPREEOFNSTFR 180
DB 121 LFPKPQDTLMISTPEVTCVVDVSHEDPEVOFNMVVDGVEVNAKTKPREEOFNSTFR 180
QY 181 VVSVLTVVHODMLNGEKYKCKVSNKGLPAPIEKTISKTKGQPREPOVYTLPPSRHEEMTKN 240
DB 181 VVSVLTVVHODMLNGEKYKCKVSNKGLPAPIEKTISKTKGQPREPOVYTLPPSRHEEMTKN 240
QY 241 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTTPMLDSGSPFLYSKLTVDKSRWQGN 300
DB 241 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTTPMLDSGSPFLYSKLTVDKSRWQGN 300
QY 301 VFSCSVNHEALHNHYTQKSLSLSPSK 326
DB 301 VFSCSVNHEALHNHYTQKSLSLSPSK 326

RESULT 7
US-10-687-118-38
; Sequence 38, Application US/10687118
; Publication No. US20050032114A1
; GENERAL INFORMATION:
; APPLICANT: Hinton, et al.
; TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
; TITLE OF INVENTION: ANTIBODIES BY MUTAGENESIS
; FILE REFERENCE: 05882.0039.NPUS04
; CURRENT APPLICATION NUMBER: US/10/687.118
; CURRENT FILING DATE: 2003-10-15
; NUMBER OF SEQ ID NOS: 112
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 38
; LENGTH: 326
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-687-118-38

Query Match 99.9%; Score 1749; DB 5; Length 326;
Best Local Similarity 99.7%; Pred. No. 8.9e-131;
Matches 325; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTGSPVFPPLAPCSRSTSESTAAAGCLVKDYFPEPVTVSNWNSGALTSGVHTFPAIVLQSS 60
DB 1 ASTGSPVFPPLAPCSRSTSESTAAAGCLVKDYFPEPVTVSNWNSGALTSGVHTFPAIVLQSS 60
QY 61 GLYSLSSVTVTPSSNFGTQYTTCNVDHKPSNTKVDKTYERKCCVCEPCPCPAPPAAPSVF 120
DB 61 GLYSLSSVTVTPSSNFGTQYTTCNVDHKPSNTKVDKTYERKCCVCEPCPCPAPPAAPSVF 120
QY 121 LFPKPQDTLMISTPEVTCVVDVSHEDPEVOFNMVVDGVEVNAKTKPREEOFNSTFR 180
DB 121 LFPKPQDTLMISTPEVTCVVDVSHEDPEVOFNMVVDGVEVNAKTKPREEOFNSTFR 180
QY 181 VVSVLTVVHODMLNGEKYKCKVSNKGLPAPIEKTISKTKGQPREPOVYTLPPSRHEEMTKN 240
DB 181 VVSVLTVVHODMLNGEKYKCKVSNKGLPAPIEKTISKTKGQPREPOVYTLPPSRHEEMTKN 240
QY 241 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTTPMLDSGSPFLYSKLTVDKSRWQGN 300
DB 241 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTTPMLDSGSPFLYSKLTVDKSRWQGN 300
QY 301 VFSCSVNHEALHNHYTQKSLSLSPSK 326
DB 301 VFSCSVNHEALHNHYTQKSLSLSPSK 326

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RESULT 8
US-11-102-621-36
; Sequence 36, Application US/11102621
; Publication No. US20050276799A1
; GENERAL INFORMATION:
; APPLICANT: Protein Design Labs, Inc.
; APPLICANT: Hinton, Paul R.
; APPLICANT: Teurushita, Naoya
; APPLICANT: Teo, J. Yun
; TITLE OF INVENTION: ALTERATION OF FcRn BINDING AFFINITIES OR SERUM HALF-LIVES OF
; FILE REFERENCE: 05882.0039.00PC03
; CURRENT FILING DATE: 2005-04-08
; PRIOR APPLICATION NUMBER: US/11/102,621
; PRIOR FILING DATE: 2004-04-09
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 36
; LENGTH: 326
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-102-621-36

Query Match          99.9%; Score 1749; DB 6; Length 326;
Best Local Similarity 99.7%; Pred. No. 8.9e-111;
Matches 325; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTKGSPVPLAPCSRSTSESTALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSS 60
DB 1 ASTKGSPVPLAPCSRSTSESTALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSS 60
QY 61 GLYSLSVTVTPSSNFGTQTYTCNVDHKPSNTKYDKTVERKCCVCEPCPCAPPAASVF 120
DB 61 GLYSLSVTVTPSSNFGTQTYTCNVDHKPSNTKYDKTVERKCCVCEPCPCAPPAASVF 120
QY 121 LFPKPKDITLMISRTPEVTCVVDVSHEDPEVGFNNYVDGVEVNAKTKREDFNSTFR 180
DB 121 LFPKPKDITLMISRTPEVTCVVDVSHEDPEVGFNNYVDGVEVNAKTKREDFNSTFR 180
QY 181 VSVLTVVHODMNLNGEKYKCKVSNKGLPAPIEKTISTKQOPREPOVYTLPPSREEMTKN 240
DB 181 VSVLTVVHODMNLNGEKYKCKVSNKGLPAPIEKTISTKQOPREPOVYTLPPSREEMTKN 240
QY 241 QVSLTCLVKGFYPSDIAVEESNGQPENNYKTTTPMLDSGSFPLYSKLTVDKSRMWOQN 300
DB 241 QVSLTCLVKGFYPSDIAVEESNGQPENNYKTTTPMLDSGSFPLYSKLTVDKSRMWOQN 300
QY 301 VFSCSVMHREALNHYTQKSLSLSPSK 326
DB 301 VFSCSVMHREALNHYTQKSLSLSPSK 326

RESULT 9
US-11-102-621-38
; Sequence 38, Application US/11102621
; Publication No. US20050276799A1
; GENERAL INFORMATION:
; APPLICANT: Protein Design Labs, Inc.
; APPLICANT: Hinton, Paul R.
; APPLICANT: Teurushita, Naoya
; APPLICANT: Teo, J. Yun
; TITLE OF INVENTION: ALTERATION OF FcRn BINDING AFFINITIES OR SERUM HALF-LIVES OF
; FILE REFERENCE: 05882.0039.00PC03
; CURRENT FILING DATE: 2005-04-08
; PRIOR APPLICATION NUMBER: US/10/822,300
; PRIOR FILING DATE: 2004-04-09
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
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; SEQ ID NO 38
; LENGTH: 326
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-102-621-38

Query Match          99.9%; Score 1749; DB 6; Length 326;
Best Local Similarity 99.7%; Pred. No. 8.9e-111;
Matches 325; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTKGSPVPLAPCSRSTSESTALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSS 60
DB 1 ASTKGSPVPLAPCSRSTSESTALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSS 60
QY 61 GLYSLSVTVTPSSNFGTQTYTCNVDHKPSNTKYDKTVERKCCVCEPCPCAPPAASVF 120
DB 61 GLYSLSVTVTPSSNFGTQTYTCNVDHKPSNTKYDKTVERKCCVCEPCPCAPPAASVF 120
QY 121 LFPKPKDITLMISRTPEVTCVVDVSHEDPEVGFNNYVDGVEVNAKTKREDFNSTFR 180
DB 121 LFPKPKDITLMISRTPEVTCVVDVSHEDPEVGFNNYVDGVEVNAKTKREDFNSTFR 180
QY 181 VSVLTVVHODMNLNGEKYKCKVSNKGLPAPIEKTISTKQOPREPOVYTLPPSREEMTKN 240
DB 181 VSVLTVVHODMNLNGEKYKCKVSNKGLPAPIEKTISTKQOPREPOVYTLPPSREEMTKN 240
QY 241 QVSLTCLVKGFYPSDIAVEESNGQPENNYKTTTPMLDSGSFPLYSKLTVDKSRMWOQN 300
DB 241 QVSLTCLVKGFYPSDIAVEESNGQPENNYKTTTPMLDSGSFPLYSKLTVDKSRMWOQN 300
QY 301 VFSCSVMHREALNHYTQKSLSLSPSK 326
DB 301 VFSCSVMHREALNHYTQKSLSLSPSK 326

RESULT 10
US-10-822-300-45
; Sequence 45, Application US/10822300
; Publication No. US20050014934A1
; GENERAL INFORMATION:
; APPLICANT: Hinton, et al.
; TITLE OF INVENTION: ALTERATION OF FcRn BINDING AFFINITIES OR SERUM HALF-LIVES OF
; FILE REFERENCE: 05882.0039.CPUS01
; CURRENT FILING DATE: 2004-04-09
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 45
; LENGTH: 326
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-822-300-45

Query Match          99.8%; Score 1748; DB 5; Length 326;
Best Local Similarity 99.7%; Pred. No. 1.1e-130;
Matches 325; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTKGSPVPLAPCSRSTSESTALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSS 60
DB 1 ASTKGSPVPLAPCSRSTSESTALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSS 60
QY 61 GLYSLSVTVTPSSNFGTQTYTCNVDHKPSNTKYDKTVERKCCVCEPCPCAPPAASVF 120
DB 61 GLYSLSVTVTPSSNFGTQTYTCNVDHKPSNTKYDKTVERKCCVCEPCPCAPPAASVF 120
QY 121 LFPKPKDITLMISRTPEVTCVVDVSHEDPEVGFNNYVDGVEVNAKTKREDFNSTFR 180
DB 121 LFPKPKDITLMISRTPEVTCVVDVSHEDPEVGFNNYVDGVEVNAKTKREDFNSTFR 180
QY 181 VSVLTVVHODMNLNGEKYKCKVSNKGLPAPIEKTISTKQOPREPOVYTLPPSREEMTKN 240
DB 181 VSVLTVVHODMNLNGEKYKCKVSNKGLPAPIEKTISTKQOPREPOVYTLPPSREEMTKN 240
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Qy 241 QVSLTCLVKGFPSPDIWESWESNGPENNYKTTTPMLDSGDFLYSKLTVDKSRMOGN 300
Db 241 QVSLTCLVKGFPSPDIWESWESNGPENNYKTTTPMLDSGDFLYSKLTVDKSRMOGN 300
Qy 301 VFSCSVMEALHNNHYTKSLSPSK 326
Db 301 VFSCSVMEALHNNHYTKSLSPSK 326

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RESULT 11

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US-10-687-300-57
; Sequence 57, Application US/106822300
; Publication No. US20050014934A1
; GENERAL INFORMATION:
; APPLICANT: Hinton, et al.
; TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
; FILE REFERENCE: 05882.0039.CPUS01
; CURRENT APPLICATION NUMBER: US/10/682.300
; CURRENT FILING DATE: 2004-04-09
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 57
; LENGTH: 326
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-682-300-57

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Query Match 99.8%; Score 1748; DB 5; Length 326;
Best Local Similarity 99.7%; Pred. No. 1.1e-130;
Matches 325; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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Qy 1 ASTGSPVFPPLAPCSRSTSESTALGCLVNDYFPEPVTVSNMNGALTSQVHTFPVAVLQSS 60
Db 1 ASTGSPVFPPLAPCSRSTSESTALGCLVNDYFPEPVTVSNMNGALTSQVHTFPVAVLQSS 60
Qy 61 GLYSLSSVTVTPSSNFGTQTYTCNVNDHKPNTKYDKVERKCCVECPCPAPPAAPSVF 120
Db 61 GLYSLSSVTVTPSSNFGTQTYTCNVNDHKPNTKYDKVERKCCVECPCPAPPAAPSVF 120
Qy 121 LFPKPKDTLMISTPEVTCVVDVSHEDPEVQFNWYDGVGVHNAKTKPREEQFNSTFR 180
Db 121 LFPKPKDTLMISTPEVTCVVDVSHEDPEVQFNWYDGVGVHNAKTKPREEQFNSTFR 180
Qy 181 VVSVLTIVHODWMLNGEKYKCKVSNKGLPAPIEKTISTKGGPREPOVYTLPPSRREMTKN 240
Db 181 VVSVLTIVHODWMLNGEKYKCKVSNKGLPAPIEKTISTKGGPREPOVYTLPPSRREMTKN 240
Qy 241 QVSLTCLVKGFPSPDIWESWESNGPENNYKTTTPMLDSGDFLYSKLTVDKSRMOGN 300
Db 241 QVSLTCLVKGFPSPDIWESWESNGPENNYKTTTPMLDSGDFLYSKLTVDKSRMOGN 300
Qy 301 VFSCSVMEALHNNHYTKSLSPSK 326
Db 301 VFSCSVMEALHNNHYTKSLSPSK 326

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RESULT 12

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US-10-687-118-45
; Sequence 45, Application US/10687118
; Publication No. US20050032114A1
; GENERAL INFORMATION:
; APPLICANT: Hinton, et al.
; TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
; FILE REFERENCE: 05882.0039.NPUS04
; CURRENT APPLICATION NUMBER: US/10/687.118
; CURRENT FILING DATE: 2003-10-15
; NUMBER OF SEQ ID NOS: 112
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 45
; LENGTH: 326

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; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-687-118-45
Query Match 99.8%; Score 1748; DB 5; Length 326;
Best Local Similarity 99.7%; Pred. No. 1.1e-130;
Matches 325; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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Qy 1 ASTGSPVFPPLAPCSRSTSESTALGCLVNDYFPEPVTVSNMNGALTSQVHTFPVAVLQSS 60
Db 1 ASTGSPVFPPLAPCSRSTSESTALGCLVNDYFPEPVTVSNMNGALTSQVHTFPVAVLQSS 60
Qy 61 GLYSLSSVTVTPSSNFGTQTYTCNVNDHKPNTKYDKVERKCCVECPCPAPPAAPSVF 120
Db 61 GLYSLSSVTVTPSSNFGTQTYTCNVNDHKPNTKYDKVERKCCVECPCPAPPAAPSVF 120
Qy 121 LFPKPKDTLMISTPEVTCVVDVSHEDPEVQFNWYDGVGVHNAKTKPREEQFNSTFR 180
Db 121 LFPKPKDTLMISTPEVTCVVDVSHEDPEVQFNWYDGVGVHNAKTKPREEQFNSTFR 180
Qy 181 VVSVLTIVHODWMLNGEKYKCKVSNKGLPAPIEKTISTKGGPREPOVYTLPPSRREMTKN 240
Db 181 VVSVLTIVHODWMLNGEKYKCKVSNKGLPAPIEKTISTKGGPREPOVYTLPPSRREMTKN 240
Qy 241 QVSLTCLVKGFPSPDIWESWESNGPENNYKTTTPMLDSGDFLYSKLTVDKSRMOGN 300
Db 241 QVSLTCLVKGFPSPDIWESWESNGPENNYKTTTPMLDSGDFLYSKLTVDKSRMOGN 300
Qy 301 VFSCSVMEALHNNHYTKSLSPSK 326
Db 301 VFSCSVMEALHNNHYTKSLSPSK 326

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RESULT 13

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US-10-687-118-57
; Sequence 57, Application US/10687118
; Publication No. US20050032114A1
; GENERAL INFORMATION:
; APPLICANT: Hinton, et al.
; TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
; FILE REFERENCE: 05882.0039.NPUS04
; CURRENT APPLICATION NUMBER: US/10/687.118
; CURRENT FILING DATE: 2003-10-15
; NUMBER OF SEQ ID NOS: 112
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 57
; LENGTH: 326
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-687-118-57

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```

Query Match 99.8%; Score 1748; DB 5; Length 326;
Best Local Similarity 99.7%; Pred. No. 1.1e-130;
Matches 325; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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Qy 1 ASTGSPVFPPLAPCSRSTSESTALGCLVNDYFPEPVTVSNMNGALTSQVHTFPVAVLQSS 60
Db 1 ASTGSPVFPPLAPCSRSTSESTALGCLVNDYFPEPVTVSNMNGALTSQVHTFPVAVLQSS 60
Qy 61 GLYSLSSVTVTPSSNFGTQTYTCNVNDHKPNTKYDKVERKCCVECPCPAPPAAPSVF 120
Db 61 GLYSLSSVTVTPSSNFGTQTYTCNVNDHKPNTKYDKVERKCCVECPCPAPPAAPSVF 120
Qy 121 LFPKPKDTLMISTPEVTCVVDVSHEDPEVQFNWYDGVGVHNAKTKPREEQFNSTFR 180
Db 121 LFPKPKDTLMISTPEVTCVVDVSHEDPEVQFNWYDGVGVHNAKTKPREEQFNSTFR 180
Qy 181 VVSVLTIVHODWMLNGEKYKCKVSNKGLPAPIEKTISTKGGPREPOVYTLPPSRREMTKN 240
Db 181 VVSVLTIVHODWMLNGEKYKCKVSNKGLPAPIEKTISTKGGPREPOVYTLPPSRREMTKN 240
Qy 241 QVSLTCLVKGFPSPDIWESWESNGPENNYKTTTPMLDSGDFLYSKLTVDKSRMOGN 300

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Db 241 QVSLTCLVKGFFPSDIAVEMESNGOPENNYKTPPMLDSGSPFLYSKLTVDKSRWQGN 300
QY 301 VFSCSVMEALHNHYTOKSLSPSK 326
Db 301 VFSCSVMEALHNHYTOKSLSPSK 326

RESULT 14

US-11-102-621-45
; Sequence 45, Application US/11102621
; Publication No. US20050276799A1
; GENERAL INFORMATION:
; APPLICANT: Protein Design Labs, Inc.
; APPLICANT: Hinton, Paul R.
; APPLICANT: Teurushita, Naoya
; APPLICANT: Tso, J. Yun
; APPLICANT: Vasquez, Maximiliano
; TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
; FILE REFERENCE: 05882.0039.00PC03
; CURRENT APPLICATION NUMBER: US/11/102.621
; PRIOR FILING DATE: 2005-04-08
; PRIOR APPLICATION NUMBER: US 10/822,300
; PRIOR FILING DATE: 2004-04-09
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 45
; LENGTH: 326
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-102-621-45

Query Match 99.8%; Score 1748; DB 6; Length 326;
Best Local Similarity 99.7%; Pred. No. 1.1e-130;
Matches 325; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTKGSPVPLACSRSTSESTALGCLVQDYFPEPVTVSMNSGALTSGVHTPPAVLQSS 60
Db 1 ASTKGSPVPLACSRSTSESTALGCLVQDYFPEPVTVSMNSGALTSGVHTPPAVLQSS 60
QY 61 GLYSLSVVTVPPSSNGTQTYTCNVDHKPSNTKYDKTVBRKCCVECPPCPAPPAAPSVF 120
Db 61 GLYSLSVVTVPPSSNGTQTYTCNVDHKPSNTKYDKTVBRKCCVECPPCPAPPAAPSVF 120
QY 121 LPPPKPDLTLMISRTPEVTCVVVDVSHEDPEVOFNMYVDGVEVHNKTKPREQFNSTR 180
Db 121 LPPPKPDLTLMISRTPEVTCVVVDVSHEDPEVOFNMYVDGVEVHNKTKPREQFNSTR 180
QY 181 VVSVLTIVHQDWLNGEKYCKVSNKGLPAPIEKTISKTKGQPREPQVYTLPPSRREMTKN 240
Db 181 VVSVLTIVHQDWLNGEKYCKVSNKGLPAPIEKTISKTKGQPREPQVYTLPPSRREMTKN 240
QY 241 QVSLTCLVKGFFPSDIAVEMESNGOPENNYKTPPMLDSGSPFLYSKLTVDKSRWQGN 300
Db 241 QVSLTCLVKGFFPSDIAVEMESNGOPENNYKTPPMLDSGSPFLYSKLTVDKSRWQGN 300
QY 301 VFSCSVMEALHNHYTOKSLSPSK 326
Db 301 VFSCSVMEALHNHYTOKSLSPSK 326

RESULT 15

US-11-102-621-57
; Sequence 57, Application US/11102621
; Publication No. US20050276799A1
; GENERAL INFORMATION:
; APPLICANT: Protein Design Labs, Inc.
; APPLICANT: Hinton, Paul R.
; APPLICANT: Teurushita, Naoya
; APPLICANT: Tso, J. Yun
; APPLICANT: Vasquez, Maximiliano
; TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF

; TITLE OF INVENTION: ANTIBODIES BY MUTAGENESIS
; FILE REFERENCE: 05882.0039.00PC03
; CURRENT APPLICATION NUMBER: US/11/102.621
; CURRENT FILING DATE: 2005-04-08
; PRIOR APPLICATION NUMBER: US 10/822,300
; PRIOR FILING DATE: 2004-04-09
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 57
; LENGTH: 326
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-102-621-57

Query Match 99.8%; Score 1748; DB 6; Length 326;
Best Local Similarity 99.7%; Pred. No. 1.1e-130;
Matches 325; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTKGSPVPLACSRSTSESTALGCLVQDYFPEPVTVSMNSGALTSGVHTPPAVLQSS 60
Db 1 ASTKGSPVPLACSRSTSESTALGCLVQDYFPEPVTVSMNSGALTSGVHTPPAVLQSS 60
QY 61 GLYSLSVVTVPPSSNGTQTYTCNVDHKPSNTKYDKTVBRKCCVECPPCPAPPAAPSVF 120
Db 61 GLYSLSVVTVPPSSNGTQTYTCNVDHKPSNTKYDKTVBRKCCVECPPCPAPPAAPSVF 120
QY 121 LPPPKPDLTLMISRTPEVTCVVVDVSHEDPEVOFNMYVDGVEVHNKTKPREQFNSTR 180
Db 121 LPPPKPDLTLMISRTPEVTCVVVDVSHEDPEVOFNMYVDGVEVHNKTKPREQFNSTR 180
QY 181 VVSVLTIVHQDWLNGEKYCKVSNKGLPAPIEKTISKTKGQPREPQVYTLPPSRREMTKN 240
Db 181 VVSVLTIVHQDWLNGEKYCKVSNKGLPAPIEKTISKTKGQPREPQVYTLPPSRREMTKN 240
QY 241 QVSLTCLVKGFFPSDIAVEMESNGOPENNYKTPPMLDSGSPFLYSKLTVDKSRWQGN 300
Db 241 QVSLTCLVKGFFPSDIAVEMESNGOPENNYKTPPMLDSGSPFLYSKLTVDKSRWQGN 300
QY 301 VFSCSVMEALHNHYTOKSLSPSK 326
Db 301 VFSCSVMEALHNHYTOKSLSPSK 326

Search completed: June 28, 2006, 18:13:11
Job time : 145.254 secs

GenCore version 5.1.9
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OM protein - protein search, using sw model

Run on: June 28, 2006, 17:39:29 ; Search time 10.1875 Seconds
(without alignment)
755.830 Million cell updates/sec

Title: US-10-687-118-2

Perfect score: 1751

Sequence: 1 ASTKGPSVFLAPCSRSTSE.....MHEALNNHYTKSLSPSK 326

Scoring table: BLOSUM62

Searched: 103426 seqs, 23619683 residues

Total number of hits satisfying chosen parameters: 103426

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications_AA_New:*
1: /EMC_Celexra_SIDS3/pcodata/2/pubppaa/US09_NEW_PUB.pep:*
2: /EMC_Celexra_SIDS3/pcodata/2/pubppaa/US06_NEW_PUB.pep:*
3: /EMC_Celexra_SIDS3/pcodata/2/pubppaa/US07_NEW_PUB.pep:*
4: /EMC_Celexra_SIDS3/pcodata/2/pubppaa/US08_NEW_PUB.pep:*
5: /EMC_Celexra_SIDS3/pcodata/2/pubppaa/PCT_NEW_PUB.pep:*
6: /EMC_Celexra_SIDS3/pcodata/2/pubppaa/US10_NEW_PUB.pep:*
7: /EMC_Celexra_SIDS3/pcodata/2/pubppaa/US11_NEW_PUB.pep:*
8: /EMC_Celexra_SIDS3/pcodata/2/pubppaa/US60_NEW_PUB.pep:*

SUMMARIES

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

Result No.	Score	Query Match	Length	DB ID	Description
1	1739	99.3	326	6	US-10-953-613C-1016
2	1739	99.3	326	7	US-11-091-234A-36
3	1739	99.3	326	7	US-11-174-287-2
4	1739	99.3	326	7	US-11-256-060-11
5	1739	99.3	443	6	US-10-981-300-20
6	1739	99.3	446	7	US-11-197-665-42
7	1739	99.3	446	7	US-11-197-665-46
8	1739	99.3	446	7	US-11-197-665-50
9	1739	99.3	446	7	US-11-197-665-54
10	1739	99.3	446	7	US-11-197-665-58
11	1739	99.3	446	7	US-11-197-665-62
12	1739	99.3	446	7	US-11-197-665-66
13	1739	99.3	454	6	US-10-981-300-16
14	1739	99.3	464	7	US-11-211-917-22
15	1739	99.3	465	7	US-11-211-917-38
16	1739	99.3	466	7	US-11-211-917-30
17	1739	99.3	466	7	US-11-211-917-70
18	1739	99.3	466	7	US-11-211-917-86
19	1739	99.3	469	7	US-11-211-917-54
20	1739	99.3	470	7	US-11-211-917-62
21	1739	99.3	470	7	US-11-211-917-78
22	1739	99.3	471	7	US-11-211-917-6
23	1739	99.3	471	7	US-11-211-917-46
24	1739	99.3	474	7	US-11-211-917-14
25	1728	98.7	326	7	US-11-295-006-7

26	1724	98.5	465	7	US-11-293-697-4246	Sequence 4246, Ap
27	1647.5	94.1	329	7	US-11-256-060-14	Sequence 14, Appl
28	1624	92.7	330	7	US-11-256-060-15	Sequence 15, Appl
29	1609	91.9	330	7	US-11-221-902-88	Sequence 88, Appl
30	1608.5	91.9	327	7	US-11-291-140-11	Sequence 41, Appl
31	1607	91.8	447	7	US-11-256-060-19	Sequence 19, Appl
32	1607	91.8	451	7	US-11-256-060-17	Sequence 17, Appl
33	1605	91.7	330	7	US-11-221-902-85	Sequence 85, Appl
34	1605	91.7	330	7	US-11-221-902-86	Sequence 86, Appl
35	1605	91.7	330	7	US-11-221-902-87	Sequence 87, Appl
36	1599.5	91.3	327	7	US-11-221-902-24	Sequence 24, Appl
37	1599.5	91.3	447	7	US-11-221-902-4	Sequence 4, Appl1
38	1599.5	91.3	447	7	US-11-221-902-6	Sequence 6, Appl1
39	1599.5	91.3	447	7	US-11-221-902-8	Sequence 8, Appl1
40	1599.5	91.3	447	7	US-11-221-902-10	Sequence 10, Appl1
41	1599.5	91.3	447	7	US-11-221-902-12	Sequence 12, Appl1
42	1599.5	91.3	447	7	US-11-221-902-14	Sequence 84, Appl1
43	1596	91.1	330	7	US-11-221-902-25	Sequence 25, Appl1
44	1596	91.1	330	7	US-11-295-006-5	Sequence 5, Appl1
45	1596	91.1	445	7	US-11-337-300-474	Sequence 474, App

ALIGNMENTS

RESULT 1
US-10-953-613C-1016
Sequence 1016, Application US/10953613C
Publication No. US20060127404A1
GENERAL INFORMATION:
APPLICANT: Huang, Chiehl,Heavner, George,Knight, David,Chrayeb, John,Scallion;
TITLE OF INVENTION: HINGE CORE MIMETIDODIES, COMPOSITIONS, METHODS AND USES
FILE REFERENCE: CENS038 NP
CURRENT APPLICATION NUMBER: US/10/953,613C
CURRENT FILING DATE: 2004-09-29
PRIOR APPLICATION NUMBER: 60/507,221
PRIOR FILING DATE: 2003-09-30
NUMBER OF SEQ ID NOS: 1021
SOFTWARE: PatentIn Ver 3.0
SEQ ID NO 1016
LENGTH: 326
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (1)..(326)
OTHER INFORMATION: IgG2 heavy chain constant region
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (1)..(98)
OTHER INFORMATION: CH1
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (99)..(110)
OTHER INFORMATION: hinge
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (111)..(219)
OTHER INFORMATION: CH2
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (220)..(326)
OTHER INFORMATION: CH3
US-10-953-613C-1016
Query Match 99.3%; Score 1739; DB 6; Length 326;
Best Local Similarity 99.1%; Pred. No. 3.4e-129;
Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
OY 1 ASTKGPSVFLAPCSRSTSESTAALGCLVDPYPPYTVSWNSGALTSGVHTTTPAVLIQSS 60
DB 1 ASTKGPSVFLAPCSRSTSESTAALGCLVDPYPPYTVSWNSGALTSGVHTTTPAVLIQSS 60

QY	61	GLYSLSSVYTVSSNSNGTQTYTCNVDHKSNTKVDKTVRKCCVCECPCPAPAAPSAVSF	120
QY	61	GLYSLSSVYTVSSNSNGTQTYTCNVDHKSNTKVDKTVRKCCVCECPCPAPAAPSAVSF <td>120</td>	120
Db	61	GLYSLSSVYTVSSNSNGTQTYTCNVDHKSNTKVDKTVRKCCVCECPCPAPAPAGSVF <td>120</td>	120
QY	121	LEPPKPKDTLMTSRTEPVTCVVVDVSHEDPEVFQNNYVDGVEVHNAKTKPRREQFNSTFR <td>180</td>	180
Db	121	LEPPKPKDTLMTSRTEPVTCVVVDVSHEDPEVFQNNYVDGVEVHNAKTKPRREQFNSTFR <td>180</td>	180
QY	181	VSVLTVVHQDMLGNGEKYCKVSNNKGLPAPIETKISKTGQPREPOVYTLPPSRREEMTKN <td>240</td>	240
Db	181	VSVLTVVHQDMLGNGEKYCKVSNNKGLPAPIETKISKTGQPREPOVYTLPPSRREEMTKN <td>240</td>	240
QY	241	QVSLTCLVKGFPYPSDIAVEMESNGQDENNYKTTPEMLDSGSEFFLYSKLTVDKSRMQQGN <td>300</td>	300
Db	241	QVSLTCLVKGFPYPSDIAVEMESNGQDENNYKTTPEMLDSGSEFFLYSKLTVDKSRMQQGN <td>300</td>	300
QY	301	VFSCGVMEHALNHHTQKSLSLSPSK <td>326</td>	326
Db	301	VFSCGVMEHALNHHTQKSLSLSPSK <td>326</td>	326

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RESULT 2
US-11-091-234A-36
; Sequence 36, Application US/11091234A
; Publication No. US2006008845A1
; GENERAL INFORMATION:
; APPLICANT: Lu, Jin
; TITLE OF INVENTION: METHOD AND APPARATUS FOR ANALYZING AND GENERATING
; TITLE OF INVENTION: HUMAN ANTIBODY AMINO ACID AND NUCLEIC ACID SEQUENCES
; FILE REFERENCE: CEN5052NP
; CURRENT APPLICATION NUMBER: US/11/091,234A
; CURRENT FILING DATE: 2005-03-28
; PRIOR APPLICATION NUMBER: 60/558,090
; PRIOR FILING DATE: 2004-03-31
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 36
; LENGTH: 326
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(326)
; OTHER INFORMATION: IgG2 heavy chain constant region
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(98)
; OTHER INFORMATION: CH1
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (99)..(110)
; OTHER INFORMATION: hinge
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (111)..(219)
; OTHER INFORMATION: CH2
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (220)..(326)
; OTHER INFORMATION: CH3
; US-11-091-234A-36

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Query Match	99.3%	Score 1739;	DB 7;	Length 326;
Similarity	99.1%	Pred. No. 3.4e-129;		
Best Local	0;	Mismatches 3;	Indels 0;	Gaps 0;
Matches 123;	Conservative			

QY 1 ASTRKGSVFPFLACSRSTSESTPAALGCLVKDYFPEPLVYSNMNSGALTSGVHTFPAVLQSS 60

Db 1 ASTRKGSVFPFLACSRSTSESTPAALGCLVKDYFPEPLVYSNMNSGALTSGVHTFPAVLQSS 60

QY 61 GLTSLSSVTVTPSSNFGTQTYCNNDHKNSNKKVKTERRCCVCECPCCPAPAAASVVF 120

D6	61	GLYSLSSVTVTPSSNSGTLQTYCTCNDHDKRSNTKVDKTVRCKCECPBPAPVAGSVF	120
Q7	121	LFPKKKOTLMTSRPEVTCCVVVDVSHDDPEVQFPMWYVDGVEYNNAATTKREDFNSTFR	180
D6	121	LFPKKKOTLMTSRPEVTCCVVVDVSHDDPEVQFPMWYVDGVEYNNAATTKREDFNSTFR	180
Q7	181	WVSVLTVVHQDMLNGKEVYCKSVNSKGLPAPIEKTISKTKGQPREQVYTLPPSHEEMTKN	240
D6	181	WVSVLTVVHQDMLNGKEVYCKSVNSKGLPAPIEKTISKTKGQPREQVYTLPPSHEEMTKN	240
Q7	241	QVSLTCLVKGFPSPDIAVEMESNGOPENNYYKTTTPMLDSDGSFFLYSKLTVDKSRWQGN	300
D6	241	QVSLTCLVKGFPSPDIAVEMESNGOPENNYYKTTTPMLDSDGSFFLYSKLTVDKSRWQGN	300
Q7	301	VFSCSVMHEALHNHYTQKSLSLSPSK	326
D6	301	VFSCSVMHEALHNHYTQKSLSLSPSK	326

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RESULT 3
US-11-174-287-2
: Sequence 2, Application US/11174287
: Publication No. US20060121032A1
: GENERAL INFORMATION:
:   APPLICANT: Dahljat, Basail I.
:   APPLICANT: Vafa, Omid
:   TITLE OF INVENTION: OPTIMIZED ANTI-CD20 MONOCLONAL ANTIBODIES HAVING FC VARIANTS
:   FILE REFERENCE: A-71386-10
:   CURRENT APPLICATION NUMBER: US/11/174,287
:   CURRENT FILING DATE: 2005-06-30
:   PRIOR APPLICATION NUMBER: US 11/124,620
:   PRIOR FILING DATE: 2005-05-05
:   PRIOR APPLICATION NUMBER: US 60/576,984
:   PRIOR FILING DATE: 2005-05-02
:   PRIOR APPLICATION NUMBER: US 60/502,587
:   PRIOR FILING DATE: 2004-08-17
:   PRIOR APPLICATION NUMBER: US 60/586,860
:   PRIOR FILING DATE: 2004-07-09
:   PRIOR APPLICATION NUMBER: US 60/568,440
:   PRIOR FILING DATE: 2004-07-15
:   PRIOR APPLICATION NUMBER: US 60/589,906
:   PRIOR FILING DATE: 2004-07-20
:   PRIOR APPLICATION NUMBER: US 60/627,026
:   PRIOR FILING DATE: 2004-11-09
:   PRIOR APPLICATION NUMBER: US 60/626,991
:   PRIOR FILING DATE: 2004-11-10
:   PRIOR APPLICATION NUMBER: US 60/627,774
:   PRIOR FILING DATE: 2004-11-12
:   PRIOR APPLICATION NUMBER: US 10/822,231
:   PRIOR FILING DATE: 2004-03-26
:   Remaining Prior Application data removed - See File Wrapper or PALM.
:   NUMBER OF SEQ ID NOS: 11
:   SOFTWARE: PatentIn version 3.3
:   SEQ ID NO 2
:   LENGTH: 326
:   TYPE: PRT
:   ORGANISM: Homo sapiens
:   US-11-174-287-2

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Query March	99.3%	Score 1739;	DB 7;	Length 326;
Best Local Similarity	99.1%	Pred. No. 3.4e-12;		
Matches 323; Conservative	0;	Mismatches 3;	Indels 0;	Gaps 0;

Qy	1	AATKGSVSVPLAPCSRSTSESTPAALGCVKQYFPEPLTVSNNSGALTSIGVHTFPAYLQSS	60
Qy	1	AATKGSVSVPLAPCSRSTSESTPAALGCVKQYFPEPLTVSNNSGALTSIGVHTFPAYLQSS	60
Db	1	AATKGSVSVPLAPCSRSTSESTPAALGCVKQYFPEPLTVSNNSGALTSIGVHTFPAYLQSS	60
Qy	61	GLYSLSVVTVTVSSNSFGQTYTCVNDHKESTKVDKTVVERKCCVCEGPCAPAPALAAVSF	120
Db	61	GLYSLSVVTVTVSSNSFGQTYTCVNDHKESTKVDKTVVERKCCVCEGPCAPAPALAAVSF	120
Qy	121	LEPPKCKDTLMTSRTPEVTCVVVDVSHEDPEVGQENWYVDGEVHNATKTREDEQFNSTFR	180

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Db      121  LPPPKDQTLMIISRTPEVTCVVDVSHEDPEVQFNWYDVGVHNAKTKPREEQFNSTER 180
Qy      181  VVSVLTVVHODMLNGEKYCKVSNKGLPAPIEKTIISKTKGOREPOVYTLPPSREEMTKN 240
Db      181  VVSVLTVVHODMLNGEKYCKVSNKGLPAPIEKTIISKTKGOREPOVYTLPPSREEMTKN 240
Qy      241  QVSLTCLVKGFFYPSDIAVEMESNGOPENNYYKTTTPMLDSGDSFFLYSKLTVDKSRMOQGN 300
Db      241  QVSLTCLVKGFFYPSDIAVEMESNGOPENNYYKTTTPMLDSGDSFFLYSKLTVDKSRMOQGN 300
Qy      301  VFSCSVMHGALHNNHYTKSLSPSK 326
Db      301  VFSCSVMHGALHNNHYTKSLSPSK 326

RESULT 4
US-11-256-060-11
; Sequence 11, Application US/11256060
; Publication No. US20060134105A1
; GENERAL INFORMATION:
; APPLICANT: Lazar, Gregory Alan
; APPLICANT: Dahiyat, Basell I.
; APPLICANT: Dang, Wei
; APPLICANT: Karki, Sher Bahadur
; APPLICANT: Vafa, Omid
; TITLE OF INVENTION: IGG IMMUNOGLOBULIN VARIANTS WITH OPTIMIZED EFFECTOR FUNCTION
; FILE REFERENCE: 186973/US/6/RMS/TAM
; CURRENT APPLICATION NUMBER: US/11/256,060
; CURRENT FILING DATE: 2005-10-21
; PRIOR APPLICATION NUMBER: US 60/621,387
; PRIOR FILING DATE: 2004-10-21
; PRIOR APPLICATION NUMBER: US 60/629,068
; PRIOR FILING DATE: 2004-11-18
; PRIOR APPLICATION NUMBER: US 60/652,968
; PRIOR FILING DATE: 2005-02-14
; PRIOR APPLICATION NUMBER: US 60/659,004
; PRIOR FILING DATE: 2005-03-03
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 11
; LENGTH: 326
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-256-060-11

Query Match      99.3%; Score 1739; DB 7; Length 326;
Best Local Similarity 99.1%; Pred. No. 3.4e-129;
Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      1  ASTGSPVFPPLAPCSRSTSESTALGCLVKDYFPEPVTVSNNSGALTSGVHTFPAVLAQSS 60
Db      1  ASTGSPVFPPLAPCSRSTSESTALGCLVKDYFPEPVTVSNNSGALTSGVHTFPAVLAQSS 60
Qy      61  GLYSLSSVTVTPSSNFGTQYTCNVVDHKSNTKYDKTERKCCVECPCPAPPAAPASVF 120
Db      61  GLYSLSSVTVTPSSNFGTQYTCNVVDHKSNTKYDKTERKCCVECPCPAPPAAPASVF 120
Qy      121  LFPKPKDQTLMIISRTPEVTCVVDVSHEDPEVQFNWYDVGVHNAKTKPREEQFNSTER 180
Db      121  LFPKPKDQTLMIISRTPEVTCVVDVSHEDPEVQFNWYDVGVHNAKTKPREEQFNSTER 180
Qy      181  VVSVLTVVHODMLNGEKYCKVSNKGLPAPIEKTIISKTKGOREPOVYTLPPSREEMTKN 240
Db      181  VVSVLTVVHODMLNGEKYCKVSNKGLPAPIEKTIISKTKGOREPOVYTLPPSREEMTKN 240
Qy      241  QVSLTCLVKGFFYPSDIAVEMESNGOPENNYYKTTTPMLDSGDSFFLYSKLTVDKSRMOQGN 300
Db      241  QVSLTCLVKGFFYPSDIAVEMESNGOPENNYYKTTTPMLDSGDSFFLYSKLTVDKSRMOQGN 300
Qy      301  VFSCSVMHGALHNNHYTKSLSPSK 326
Db      301  VFSCSVMHGALHNNHYTKSLSPSK 326

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RESULT 5
US-10-981-300-20
; Sequence 20, Application US/10981300
; Publication No. US20060093599A1
; GENERAL INFORMATION:
; APPLICANT: GIORGIO SENALDI
; APPLICANT: GADI GAZIT-BORNSTEIN
; TITLE OF INVENTION: ANTI-PROPERDIN ANTIBODIES, AND METHODS
; FILE REFERENCE: ABGX-005
; CURRENT APPLICATION NUMBER: US/10/981,300
; CURRENT FILING DATE: 2004-11-03
; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 20
; LENGTH: 443
; TYPE: PRT
; ORGANISM: homo sapien
US-10-981-300-20

Query Match      99.3%; Score 1739; DB 6; Length 443;
Best Local Similarity 99.1%; Pred. No. 5e-129;
Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      1  ASTGSPVFPPLAPCSRSTSESTALGCLVKDYFPEPVTVSNNSGALTSGVHTFPAVLAQSS 60
Db      118  ASTGSPVFPPLAPCSRSTSESTALGCLVKDYFPEPVTVSNNSGALTSGVHTFPAVLAQSS 177
Qy      61  GLYSLSSVTVTPSSNFGTQYTCNVVDHKSNTKYDKTERKCCVECPCPAPPAAPASVF 120
Db      178  GLYSLSSVTVTPSSNFGTQYTCNVVDHKSNTKYDKTERKCCVECPCPAPPAAPASVF 237
Qy      121  LFPKPKDQTLMIISRTPEVTCVVDVSHEDPEVQFNWYDVGVHNAKTKPREEQFNSTER 180
Db      238  LFPKPKDQTLMIISRTPEVTCVVDVSHEDPEVQFNWYDVGVHNAKTKPREEQFNSTER 297
Qy      181  VVSVLTVVHODMLNGEKYCKVSNKGLPAPIEKTIISKTKGOREPOVYTLPPSREEMTKN 240
Db      298  VVSVLTVVHODMLNGEKYCKVSNKGLPAPIEKTIISKTKGOREPOVYTLPPSREEMTKN 357
Qy      241  QVSLTCLVKGFFYPSDIAVEMESNGOPENNYYKTTTPMLDSGDSFFLYSKLTVDKSRMOQGN 300
Db      358  QVSLTCLVKGFFYPSDIAVEMESNGOPENNYYKTTTPMLDSGDSFFLYSKLTVDKSRMOQGN 417
Qy      301  VFSCSVMHGALHNNHYTKSLSPSK 326
Db      418  VFSCSVMHGALHNNHYTKSLSPSK 443

RESULT 6
US-11-197-665-42
; Sequence 42, Application US/11197665
; Publication No. US20060127393A1
; GENERAL INFORMATION:
; APPLICANT: LI, Ji
; APPLICANT: LU, Haieng Sen
; APPLICANT: SHEN, Wenyuan
; APPLICANT: RICHARDS, William
; TITLE OF INVENTION: ANTIBODIES TO DKK-1
; FILE REFERENCE: A-941
; CURRENT APPLICATION NUMBER: US/11/197,665
; CURRENT FILING DATE: 2005-08-04
; PRIOR APPLICATION NUMBER: US 60/598,791
; PRIOR FILING DATE: 2004-08-04
; NUMBER OF SEQ ID NOS: 94
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 42
; LENGTH: 446
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:

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OTHER INFORMATION: Synthetic Construct
US-11-197-665-42

Query Match 99.3%; Score 1739; DB 7; Length 446;

Best Local Similarity 99.1%; Pred. No. 5e-129; Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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QY 1 ASTKGPSVFPPLAPCSRSTSESTAALGCLVNDYFPEPVTVSMNSGALTSGVHTFPVAVLQSS 60
DB 121 ASTKGPSVFPPLAPCSRSTSESTAALGCLVNDYFPEPVTVSMNSGALTSGVHTFPVAVLQSS 180
QY 61 GLYSLSSVTVTPSSNFGTQTYTCNVDHKPSNTKYDKTVKRCCKVECPPCAPPAAPASVF 120
DB 181 GLYSLSSVTVTPSSNFGTQTYTCNVDHKPSNTKYDKTVKRCCKVECPPCAPPAAPASVF 240
QY 121 LFPKPKDQTLMIKRTPEVTCVVDVSHEDPEVQFNMYVDGVEVHNAKTKPREEQFNSTFR 180
DB 241 LFPKPKDQTLMIKRTPEVTCVVDVSHEDPEVQFNMYVDGVEVHNAKTKPREEQFNSTFR 300
QY 181 VSVLTVVHODMLNGKEYKCKVSNKGLPAPIEKTISKTKGQPREPOVYTLPPSRREEMTKN 240
DB 301 VSVLTVVHODMLNGKEYKCKVSNKGLPAPIEKTISKTKGQPREPOVYTLPPSRREEMTKN 360
QY 241 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTTPMLDSGSPFLYSKLTVDKSRWQGN 300
DB 361 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTTPMLDSGSPFLYSKLTVDKSRWQGN 420
QY 301 VFGCSVMHEALHNNHYTOKSLSLSPSK 326
DB 421 VFGCSVMHEALHNNHYTOKSLSLSPSK 446
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RESULT 7

US-11-197-665-46
Sequence 46, Application US/11197665
Publication No. US20060127393A1
GENERAL INFORMATION:
APPLICANT: LI, Ji
APPLICANT: LU, Heleng Sen
APPLICANT: SHEN, Wenyan
APPLICANT: RICHARDS, William
TITLE OF INVENTION: ANTIBODIES TO DK-1
FILE REFERENCE: A-941
CURRENT APPLICATION NUMBER: US/11/197,665
CURRENT FILING DATE: 2005-08-04
PRIOR APPLICATION NUMBER: US 60/598,791
PRIOR FILING DATE: 2004-08-04
NUMBER OF SEQ ID NOS: 94
SOFTWARE: Patentin version 3.3
SEQ ID NO 46
LENGTH: 446
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic Construct
US-11-197-665-46

Query Match 99.3%; Score 1739; DB 7; Length 446;

Best Local Similarity 99.1%; Pred. No. 5e-129; Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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QY 1 ASTKGPSVFPPLAPCSRSTSESTAALGCLVNDYFPEPVTVSMNSGALTSGVHTFPVAVLQSS 60
DB 121 ASTKGPSVFPPLAPCSRSTSESTAALGCLVNDYFPEPVTVSMNSGALTSGVHTFPVAVLQSS 180
QY 61 GLYSLSSVTVTPSSNFGTQTYTCNVDHKPSNTKYDKTVKRCCKVECPPCAPPAAPASVF 120
DB 181 GLYSLSSVTVTPSSNFGTQTYTCNVDHKPSNTKYDKTVKRCCKVECPPCAPPAAPASVF 240
QY 121 LFPKPKDQTLMIKRTPEVTCVVDVSHEDPEVQFNMYVDGVEVHNAKTKPREEQFNSTFR 180
DB 241 LFPKPKDQTLMIKRTPEVTCVVDVSHEDPEVQFNMYVDGVEVHNAKTKPREEQFNSTFR 300
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QY 181 VSVLTVVHODMLNGKEYKCKVSNKGLPAPIEKTISKTKGQPREPOVYTLPPSRREEMTKN 240
DB 301 VSVLTVVHODMLNGKEYKCKVSNKGLPAPIEKTISKTKGQPREPOVYTLPPSRREEMTKN 360
QY 241 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTTPMLDSGSPFLYSKLTVDKSRWQGN 300
DB 361 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTTPMLDSGSPFLYSKLTVDKSRWQGN 420
QY 301 VFGCSVMHEALHNNHYTOKSLSLSPSK 326
DB 421 VFGCSVMHEALHNNHYTOKSLSLSPSK 446
```

RESULT 8

US-11-197-665-50
Sequence 50, Application US/11197665
Publication No. US20060127393A1
GENERAL INFORMATION:
APPLICANT: LI, Ji
APPLICANT: LU, Heleng Sen
APPLICANT: SHEN, Wenyan
APPLICANT: RICHARDS, William
TITLE OF INVENTION: ANTIBODIES TO DK-1
FILE REFERENCE: A-941
CURRENT APPLICATION NUMBER: US/11/197,665
CURRENT FILING DATE: 2005-08-04
PRIOR APPLICATION NUMBER: US 60/598,791
PRIOR FILING DATE: 2004-08-04
NUMBER OF SEQ ID NOS: 94
SOFTWARE: Patentin version 3.3
SEQ ID NO 50
LENGTH: 446
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic Construct
US-11-197-665-50

Query Match 99.3%; Score 1739; DB 7; Length 446;

Best Local Similarity 99.1%; Pred. No. 5e-129; Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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QY 1 ASTKGPSVFPPLAPCSRSTSESTAALGCLVNDYFPEPVTVSMNSGALTSGVHTFPVAVLQSS 60
DB 121 ASTKGPSVFPPLAPCSRSTSESTAALGCLVNDYFPEPVTVSMNSGALTSGVHTFPVAVLQSS 180
QY 61 GLYSLSSVTVTPSSNFGTQTYTCNVDHKPSNTKYDKTVKRCCKVECPPCAPPAAPASVF 120
DB 181 GLYSLSSVTVTPSSNFGTQTYTCNVDHKPSNTKYDKTVKRCCKVECPPCAPPAAPASVF 240
QY 121 LFPKPKDQTLMIKRTPEVTCVVDVSHEDPEVQFNMYVDGVEVHNAKTKPREEQFNSTFR 180
DB 241 LFPKPKDQTLMIKRTPEVTCVVDVSHEDPEVQFNMYVDGVEVHNAKTKPREEQFNSTFR 300
QY 181 VSVLTVVHODMLNGKEYKCKVSNKGLPAPIEKTISKTKGQPREPOVYTLPPSRREEMTKN 240
DB 301 VSVLTVVHODMLNGKEYKCKVSNKGLPAPIEKTISKTKGQPREPOVYTLPPSRREEMTKN 360
QY 241 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTTPMLDSGSPFLYSKLTVDKSRWQGN 300
DB 361 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTTPMLDSGSPFLYSKLTVDKSRWQGN 420
QY 301 VFGCSVMHEALHNNHYTOKSLSLSPSK 326
DB 421 VFGCSVMHEALHNNHYTOKSLSLSPSK 446
```

RESULT 9

US-11-197-665-54
Sequence 54, Application US/11197665
Publication No. US20060127393A1
GENERAL INFORMATION:
APPLICANT: LI, Ji

```
APPLICANT: LU, Hsiang Sen
APPLICANT: SHEN, Wenyan
APPLICANT: RICHARDS, William
TITLE OF INVENTION: ANTIBODIES TO DKK-1
FILE REFERENCE: A-941
CURRENT APPLICATION NUMBER: US/11/197,665
CURRENT FILING DATE: 2005-08-04
PRIOR APPLICATION NUMBER: US 60/598,791
PRIOR FILING DATE: 2004-08-04
NUMBER OF SEQ ID NOS: 94
SOFTWARE: PatentIn version 3.3
SEQ ID NO 54
LENGTH: 446
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic Construct
US-11-197-665-54
```

```
Query Match          99.3%; Score 1739; DB 7; Length 446;
Best Local Similarity 99.1%; Pred. No. 5e-129;
Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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```
QY 1 ASTGSPVFPPLAPCSRSTSESTALGCLVKDYFPEPTVSNVNSGALTSGVHTFPAVLQSS 60
DB 121 ASTGSPVFPPLAPCSRSTSESTALGCLVKDYFPEPTVSNVNSGALTSGVHTFPAVLQSS 180
QY 61 GLYSLSSVTVTPSSNFGQYTTCCVNDHKPSNTKVDKVERKCCVCEPCPCAPPAABSVF 120
DB 181 GLYSLSSVTVTPSSNFGQYTTCCVNDHKPSNTKVDKVERKCCVCEPCPCAPPAABSVF 240
QY 121 LFPKPKDTLMISRTPEVTCVVDVSHEDPEVQFMWYDGVENVNAKTKPREEQNSTFR 180
DB 241 LFPKPKDTLMISRTPEVTCVVDVSHEDPEVQFMWYDGVENVNAKTKPREEQNSTFR 300
QY 181 VVSVLTVVHODMLNGEKYCKVSNKGLPAPIEKTISKTKGQPREPQVYTLPPSREEMTKN 240
DB 301 VVSVLTVVHODMLNGEKYCKVSNKGLPAPIEKTISKTKGQPREPQVYTLPPSREEMTKN 360
QY 241 QVSLTCLVKGFPYSDIAEWESNQPENNYKTTTPMLDSDSFLYSKLTVDKSRWQGN 300
DB 361 QVSLTCLVKGFPYSDIAEWESNQPENNYKTTTPMLDSDSFLYSKLTVDKSRWQGN 420
QY 301 VFSCSVMEALHNHYTKSLSPSK 326
DB 421 VFSCSVMEALHNHYTKSLSPSK 446
```

```
RESULT 10
US-11-197-665-58
Sequence 58, Application US/11/197665
Publication No. US20060127393A1
GENERAL INFORMATION:
APPLICANT: LI, Ji
APPLICANT: LU, Hsiang Sen
APPLICANT: SHEN, Wenyan
APPLICANT: RICHARDS, William
TITLE OF INVENTION: ANTIBODIES TO DKK-1
FILE REFERENCE: A-941
CURRENT APPLICATION NUMBER: US/11/197,665
CURRENT FILING DATE: 2005-08-04
PRIOR APPLICATION NUMBER: US 60/598,791
PRIOR FILING DATE: 2004-08-04
NUMBER OF SEQ ID NOS: 94
SOFTWARE: PatentIn version 3.3
SEQ ID NO 58
LENGTH: 446
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic Construct
US-11-197-665-58
```

```
Query Match          99.3%; Score 1739; DB 7; Length 446;
Best Local Similarity 99.1%; Pred. No. 5e-129;
Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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```
QY 1 ASTGSPVFPPLAPCSRSTSESTALGCLVKDYFPEPTVSNVNSGALTSGVHTFPAVLQSS 60
DB 121 ASTGSPVFPPLAPCSRSTSESTALGCLVKDYFPEPTVSNVNSGALTSGVHTFPAVLQSS 180
QY 61 GLYSLSSVTVTPSSNFGQYTTCCVNDHKPSNTKVDKVERKCCVCEPCPCAPPAABSVF 120
DB 181 GLYSLSSVTVTPSSNFGQYTTCCVNDHKPSNTKVDKVERKCCVCEPCPCAPPAABSVF 240
QY 121 LFPKPKDTLMISRTPEVTCVVDVSHEDPEVQFMWYDGVENVNAKTKPREEQNSTFR 180
DB 241 LFPKPKDTLMISRTPEVTCVVDVSHEDPEVQFMWYDGVENVNAKTKPREEQNSTFR 300
QY 181 VVSVLTVVHODMLNGEKYCKVSNKGLPAPIEKTISKTKGQPREPQVYTLPPSREEMTKN 240
DB 301 VVSVLTVVHODMLNGEKYCKVSNKGLPAPIEKTISKTKGQPREPQVYTLPPSREEMTKN 360
QY 241 QVSLTCLVKGFPYSDIAEWESNQPENNYKTTTPMLDSDSFLYSKLTVDKSRWQGN 300
DB 361 QVSLTCLVKGFPYSDIAEWESNQPENNYKTTTPMLDSDSFLYSKLTVDKSRWQGN 420
QY 301 VFSCSVMEALHNHYTKSLSPSK 326
DB 421 VFSCSVMEALHNHYTKSLSPSK 446
```

```
RESULT 11
US-11-197-665-62
Sequence 62, Application US/11/197665
Publication No. US20060127393A1
GENERAL INFORMATION:
APPLICANT: LI, Ji
APPLICANT: LU, Hsiang Sen
APPLICANT: SHEN, Wenyan
APPLICANT: RICHARDS, William
TITLE OF INVENTION: ANTIBODIES TO DKK-1
FILE REFERENCE: A-941
CURRENT APPLICATION NUMBER: US/11/197,665
CURRENT FILING DATE: 2005-08-04
PRIOR APPLICATION NUMBER: US 60/598,791
PRIOR FILING DATE: 2004-08-04
NUMBER OF SEQ ID NOS: 94
SOFTWARE: PatentIn version 3.3
SEQ ID NO 62
LENGTH: 446
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic Construct
US-11-197-665-62
```

```
Query Match          99.3%; Score 1739; DB 7; Length 446;
Best Local Similarity 99.1%; Pred. No. 5e-129;
Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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```
QY 1 ASTGSPVFPPLAPCSRSTSESTALGCLVKDYFPEPTVSNVNSGALTSGVHTFPAVLQSS 60
DB 121 ASTGSPVFPPLAPCSRSTSESTALGCLVKDYFPEPTVSNVNSGALTSGVHTFPAVLQSS 180
QY 61 GLYSLSSVTVTPSSNFGQYTTCCVNDHKPSNTKVDKVERKCCVCEPCPCAPPAABSVF 120
DB 181 GLYSLSSVTVTPSSNFGQYTTCCVNDHKPSNTKVDKVERKCCVCEPCPCAPPAABSVF 240
QY 121 LFPKPKDTLMISRTPEVTCVVDVSHEDPEVQFMWYDGVENVNAKTKPREEQNSTFR 180
DB 241 LFPKPKDTLMISRTPEVTCVVDVSHEDPEVQFMWYDGVENVNAKTKPREEQNSTFR 300
QY 181 VVSVLTVVHODMLNGEKYCKVSNKGLPAPIEKTISKTKGQPREPQVYTLPPSREEMTKN 240
DB 301 VVSVLTVVHODMLNGEKYCKVSNKGLPAPIEKTISKTKGQPREPQVYTLPPSREEMTKN 360
```

QY 241 QVSLTCLVKGFPSDIAVEMESNGQPENNYKTTPMLDSDGSFFLYSKLTVDKSRMQGN 300
DB 361 QVSLTCLVKGFPSDIAVEMESNGQPENNYKTTPMLDSDGSFFLYSKLTVDKSRMQGN 420
QY 301 VFSCSVWHEALHNHYTOKSLSPSK 326
DB 421 VFSCSVWHEALHNHYTOKSLSPSK 446

RESULT 12

US-11-197-665-66
Sequence 66, Application US/11197665
Publication No. US20060127393A1
GENERAL INFORMATION:
APPLICANT: LI, Ji
APPLICANT: LI, Heieng Sen
APPLICANT: SHEN, Wenyan
APPLICANT: RICHARDS, William
TITLE OF INVENTION: ANTIBODIES TO DKK-1
FILE REFERENCE: A-941
CURRENT APPLICATION NUMBER: US/11/197,665
CURRENT FILING DATE: 2005-08-04
PRIOR APPLICATION NUMBER: US 60/598,791
PRIOR FILING DATE: 2004-08-04
NUMBER OF SEQ ID NOS: 94
SOFTWARE: PatentIn version 3.3
LENGTH: 446
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic Construct
US-11-197-665-66

Query Match 99.3%; Score 1739; DB 7; Length 446;
Best Local Similarity 99.1%; Pred. No. 5e-129;
Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 ASTKGSVPFLAPCSRSTSESTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSS 60
DB 121 ASTKGSVPFLAPCSRSTSESTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSS 180
QY 61 GLYSLSVVTPPSNFGTQTYTCNVDHKPSNTKVDKVERKCCVCEPCPCAPPAABSVF 120
DB 181 GLYSLSVVTPPSNFGTQTYTCNVDHKPSNTKVDKVERKCCVCEPCPCAPPAABSVF 240
QY 121 LFPKPKDITLMISRTPEVTCVVDVSHEDPEVOFNMYVDGEVHNATKPREEQFNSTFR 180
DB 241 LFPKPKDITLMISRTPEVTCVVDVSHEDPEVOFNMYVDGEVHNATKPREEQFNSTFR 300
QY 181 VVSLTVVHODMNLNGEKYKCKVSNKGLPAPIETISKTKGQPREPOVYTLPPSREEMTKN 240
DB 301 VVSLTVVHODMNLNGEKYKCKVSNKGLPAPIETISKTKGQPREPOVYTLPPSREEMTKN 360
QY 241 QVSLTCLVKGFPSDIAVEMESNGQPENNYKTTPMLDSDGSFFLYSKLTVDKSRMQGN 300
DB 361 QVSLTCLVKGFPSDIAVEMESNGQPENNYKTTPMLDSDGSFFLYSKLTVDKSRMQGN 420
QY 301 VFSCSVWHEALHNHYTOKSLSPSK 326
DB 421 VFSCSVWHEALHNHYTOKSLSPSK 446

RESULT 13

US-10-981-300-16
Sequence 16, Application US/10981300
Publication No. US20060093599A1
GENERAL INFORMATION:
APPLICANT: GIORGIO SENALDI
APPLICANT: GADI GAZIT-BORNSTEIN
TITLE OF INVENTION: ANTI-PROPERLIN ANTIBODIES, AND METHODS
FOR MAKING AND USING THE SAME

FILE REFERENCE: ABGX-005
CURRENT APPLICATION NUMBER: US/10/981,300
CURRENT FILING DATE: 2004-11-03
NUMBER OF SEQ ID NOS: 71
SOFTWARE: PatSeq for Windows Version 4.0
SEQ ID NO 16
LENGTH: 454
TYPE: PRT
ORGANISM: homo sapien
US-10-981-300-16

Query Match 99.3%; Score 1739; DB 6; Length 454;
Best Local Similarity 99.1%; Pred. No. 5.2e-129;
Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 ASTKGSVPFLAPCSRSTSESTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSS 60
DB 129 ASTKGSVPFLAPCSRSTSESTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSS 188
QY 61 GLYSLSVVTPPSNFGTQTYTCNVDHKPSNTKVDKVERKCCVCEPCPCAPPAABSVF 120
DB 189 GLYSLSVVTPPSNFGTQTYTCNVDHKPSNTKVDKVERKCCVCEPCPCAPPAABSVF 248
QY 121 LFPKPKDITLMISRTPEVTCVVDVSHEDPEVOFNMYVDGEVHNATKPREEQFNSTFR 180
DB 249 LFPKPKDITLMISRTPEVTCVVDVSHEDPEVOFNMYVDGEVHNATKPREEQFNSTFR 308
QY 181 VVSLTVVHODMNLNGEKYKCKVSNKGLPAPIETISKTKGQPREPOVYTLPPSREEMTKN 240
DB 309 VVSLTVVHODMNLNGEKYKCKVSNKGLPAPIETISKTKGQPREPOVYTLPPSREEMTKN 368
QY 241 QVSLTCLVKGFPSDIAVEMESNGQPENNYKTTPMLDSDGSFFLYSKLTVDKSRMQGN 300
DB 369 QVSLTCLVKGFPSDIAVEMESNGQPENNYKTTPMLDSDGSFFLYSKLTVDKSRMQGN 428
QY 301 VFSCSVWHEALHNHYTOKSLSPSK 326
DB 429 VFSCSVWHEALHNHYTOKSLSPSK 454

RESULT 14

US-11-211-917-22
Sequence 22, Application US/11211917
Publication No. US20060093600A1
GENERAL INFORMATION:
APPLICANT: BEDIAN, VAHE
APPLICANT: CORVALAN, JOSE
APPLICANT: JIA, XIAO-CHI
APPLICANT: FENG, XIAO
TITLE OF INVENTION: ANTIBODIES TO CD40
FILE REFERENCE: ABX-PE/3 US
CURRENT APPLICATION NUMBER: US/11/211,917
CURRENT FILING DATE: 2005-08-25
PRIOR APPLICATION NUMBER: US/10/292,088
PRIOR FILING DATE: 2002-11-08
PRIOR APPLICATION NUMBER: 60/348,980
PRIOR FILING DATE: 2001-11-09
NUMBER OF SEQ ID NOS: 147
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 22
LENGTH: 464
TYPE: PRT
ORGANISM: Homo sapiens
US-11-211-917-22

Query Match 99.3%; Score 1739; DB 7; Length 464;
Best Local Similarity 99.1%; Pred. No. 5.3e-129;
Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 ASTKGSVPFLAPCSRSTSESTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSS 60
DB 139 ASTKGSVPFLAPCSRSTSESTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSS 198

QY 61 GLYSLSSVTVTPSSNFGTQTYTCNVNDHKSNTKVDKTVERRCCVECPCPAPPAAPSVF 120
DB 199 GLYSLSSVTVTPSSNFGTQTYTCNVNDHKSNTKVDKTVERRCCVECPCPAPPAAPSVF 258
QY 121 LFPPKPKDITMISTRTPEVTCVVDVSHEDPEVOFNWYDGVVHNAKTCPREBQFNSTFR 180
DB 259 LFPPKPKDITMISTRTPEVTCVVDVSHEDPEVOFNWYDGVVHNAKTCPREBQFNSTFR 318
QY 181 VVSLTVVHODWMLNGKCKVSNKGLPAPIEKTISKTKGQPREPOVYTLPPSREEMTKN 240
DB 319 VVSLTVVHODWMLNGKCKVSNKGLPAPIEKTISKTKGQPREPOVYTLPPSREEMTKN 378
QY 241 QVSLTCLVKGFFYPSDIAVEMESNGQPENNYKTTTPMLDSDGSFFLYSKLTVDKSRMOQGN 300
DB 379 QVSLTCLVKGFFYPSDIAVEMESNGQPENNYKTTTPMLDSDGSFFLYSKLTVDKSRMOQGN 438
QY 301 VFSCSVHHEALHNHYTQKSLSPSK 326
DB 439 VFSCSVHHEALHNHYTQKSLSPSK 464

RESULT 15

US-11-211-917-38
; Sequence 38, Application US/11211917
; Publication No. US20060093600A1
; GENERAL INFORMATION:
; APPLICANT: BBDIAN, VAHE
; APPLICANT: GLADUE, RONALD P.
; APPLICANT: CORVALAN, JOSE
; APPLICANT: JIA, XIAO-CHI
; APPLICANT: FENG, XIAO
; TITLE OF INVENTION: ANTIBODIES TO CD40
; FILE REFERENCE: ABX-PP/3 US
; CURRENT APPLICATION NUMBER: US/11/211,917
; PRIOR FILING DATE: 2005-08-25
; PRIOR APPLICATION NUMBER: US/10/292,088
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: 60/348,980
; PRIOR FILING DATE: 2001-11-09
; NUMBER OF SEQ ID NOS: 147
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 38
; LENGTH: 465
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-211-917-38

Query Match 99.3%; Score 1739; DB 7; Length 465;
Best Local Similarity 99.1%; Pred. No. 5.3e-129;
Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 ASTKGPSVFPFLAPCSRSTSESTAALGCLVVDYFPPEPYTVSMNSGALTSGVHTFPAYLQSS 60
DB 140 ASTKGPSVFPFLAPCSRSTSESTAALGCLVVDYFPPEPYTVSMNSGALTSGVHTFPAYLQSS 199
QY 61 GLYSLSSVTVTPSSNFGTQTYTCNVNDHKSNTKVDKTVERRCCVECPCPAPPAAPSVF 120
DB 200 GLYSLSSVTVTPSSNFGTQTYTCNVNDHKSNTKVDKTVERRCCVECPCPAPPAAPSVF 259
QY 121 LFPPKPKDITMISTRTPEVTCVVDVSHEDPEVOFNWYDGVVHNAKTCPREBQFNSTFR 180
DB 260 LFPPKPKDITMISTRTPEVTCVVDVSHEDPEVOFNWYDGVVHNAKTCPREBQFNSTFR 319
QY 181 VVSLTVVHODWMLNGKCKVSNKGLPAPIEKTISKTKGQPREPOVYTLPPSREEMTKN 240
DB 320 VVSLTVVHODWMLNGKCKVSNKGLPAPIEKTISKTKGQPREPOVYTLPPSREEMTKN 379
QY 241 QVSLTCLVKGFFYPSDIAVEMESNGQPENNYKTTTPMLDSDGSFFLYSKLTVDKSRMOQGN 300
DB 380 QVSLTCLVKGFFYPSDIAVEMESNGQPENNYKTTTPMLDSDGSFFLYSKLTVDKSRMOQGN 439
QY 301 VFSCSVHHEALHNHYTQKSLSPSK 326

DB 440 VFSCSVHHEALHNHYTQKSLSPSK 465

Search completed: June 28, 2006, 17:40:52
Job time: 11.1875 secs

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OM protein - protein search, using sw model

Run on: June 28, 2006, 17:36:38 ; Search time 43.246 Seconds
(without alignments)
667.926 Million cell updates/sec

Title: US-10-687-118-3

Perfect score: 1767
Sequence: 1 ASTKGPSVFLPAPSSKSTSG.....MHKALNNHYTQKSLSPGK 330

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 650591 seqs, 87530628 residues

Total number of hits satisfying chosen parameters: 650591

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents_AA.*
1: /EMC_Celerra_SID33/ptodata/2/1aa/5.COMB.pep.*
2: /EMC_Celerra_SID33/ptodata/2/1aa/6.COMB.pep.*
3: /EMC_Celerra_SID33/ptodata/2/1aa/7.COMB.pep.*
4: /EMC_Celerra_SID33/ptodata/2/1aa/H.COMB.pep.*
5: /EMC_Celerra_SID33/ptodata/2/1aa/PCUS.COMB.pep.*
6: /EMC_Celerra_SID33/ptodata/2/1aa/RB.COMB.pep.*
7: /EMC_Celerra_SID33/ptodata/2/1aa/backfile1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1767	100.0	330	2	US-10-112-582A-1
2	1767	100.0	371	1	US-08-236-311-7
3	1767	100.0	371	2	US-08-457-918-7
4	1767	100.0	371	2	US-10-157-408-7
5	1767	100.0	444	2	US-10-147-849-7
6	1767	100.0	446	2	US-08-397-411-7
7	1767	100.0	449	1	US-08-458-516-13
8	1767	100.0	467	2	US-08-030-175-41
9	1767	100.0	467	2	US-08-030-175-42
10	1767	100.0	470	2	US-10-104-047-3730
11	1767	100.0	476	1	US-08-378-939-10
12	1767	100.0	547	2	US-09-746-359A-54
13	1767	100.0	567	2	US-09-825-561A-16
14	1767	100.0	571	2	US-09-746-359A-53
15	1767	100.0	951	2	US-09-313-942-9
16	1767	100.0	951	2	US-10-282-162-9
17	1763	99.8	462	2	US-09-289-942A-7
18	1763	99.8	475	2	US-09-740-002-27
19	1763	99.8	476	2	US-08-487-550-4
20	1763	99.8	476	2	US-08-487-550-4
21	1763	99.8	476	2	US-09-526-098-4
22	1763	99.8	476	2	US-09-526-098-4
23	1763	99.8	476	2	US-09-383-916-4
24	1763	99.8	476	2	US-09-383-916-12
25	1763	99.8	476	2	US-09-758-173-4
26	1763	99.8	476	2	US-09-758-173-12

27	1763	99.8	476	2	US-09-576-424-4	Sequence 4, Appli
28	1763	99.8	476	2	US-09-576-424-12	Sequence 12, Appli
29	1763	99.8	478	2	US-08-487-550-8	Sequence 8, Appli
30	1763	99.8	478	2	US-09-526-098-8	Sequence 8, Appli
31	1763	99.8	478	2	US-09-383-916-8	Sequence 8, Appli
32	1763	99.8	478	2	US-09-758-173-8	Sequence 8, Appli
33	1763	99.8	478	2	US-09-576-424-8	Sequence 8, Appli
34	1762	99.7	459	1	US-08-157-101A-7	Sequence 7, Appli
35	1762	99.7	470	2	US-09-238-741-4	Sequence 4, Appli
36	1761	99.7	330	2	US-09-301-593-22	Sequence 22, Appli
37	1761	99.7	451	1	US-08-887-352B-14	Sequence 14, Appli
38	1761	99.7	451	1	US-08-887-352B-16	Sequence 16, Appli
39	1761	99.7	451	1	US-08-887-352B-18	Sequence 18, Appli
40	1761	99.7	451	2	US-08-466-151-65	Sequence 65, Appli
41	1761	99.7	451	2	US-09-109-207C-14	Sequence 14, Appli
42	1761	99.7	451	2	US-09-109-207C-16	Sequence 16, Appli
43	1761	99.7	451	2	US-09-109-207C-18	Sequence 18, Appli
44	1761	99.7	451	2	US-09-109-207C-18	Sequence 2, Appli
45	1761	99.7	451	2	US-09-054-255-2	Sequence 2, Appli

ALIGNMENTS

RESULT 1					
US-10-112-582A-1					
Sequence 1, Application US/10112582A					
Patent No. 6992174					
GENERAL INFORMATION:					
APPLICANT: Gillies, Stephen					
TITLE OF INVENTION: Reducing the Immunogenicity of Fusion Proteins					
FILE REFERENCE: LEX-017					
CURRENT FILING DATE: 2002-03-29					
PRIOR APPLICATION NUMBER: US/10/112,582A					
PRIOR FILING DATE: 2001-03-30					
NUMBER OF SEQ ID NOS: 59					
SOFTWARE: PatentIn version 3.1					
SEQ ID NO 1					
LENGTH: 330					
TYPE: PRT					
ORGANISM: Homo sapiens					
FEATURE:					
NAME/KEY: misc feature					
OTHER INFORMATION: human Ig gamma heavy chain C region					
US-10-112-582A-1					
QY	Query Match	100.0%;	Score 1767;	DB 2;	Length 330;
QY	Best Local Similarity	100.0%;	Pred. No. 2e-159;		
QY	Matches 330;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	1	ASTKGPSVFLPAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTISGAVTFPAVLQSS	60		
DB	1	ASTKGPSVFLPAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTISGAVTFPAVLQSS	60		
QY	61	GLYSLSSVYVYVSSSLGQTYICNVNHKPSNTKYDKVKEPKSCCKTHCPCPAPBELGG	120		
DB	61	GLYSLSSVYVYVSSSLGQTYICNVNHKPSNTKYDKVKEPKSCCKTHCPCPAPBELGG	120		
QY	121	PSVFLPFPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVNAKTKRREQYNN	180		
DB	121	PSVFLPFPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVNAKTKRREQYNN	180		
QY	181	STRYVSIVLTALHODMNLNGKRYKCKVSKNKAIPAEIKTISAKAKQPREPOVYITLPPSDE	240		
DB	181	STRYVSIVLTALHODMNLNGKRYKCKVSKNKAIPAEIKTISAKAKQPREPOVYITLPPSDE	240		
QY	241	LTKKQVSLTCLVKGFPYSDIAVEWESNGQPPNNYKTPPVLDSDGSFFLYSKLTVDKSRW	300		
DB	241	LTKKQVSLTCLVKGFPYSDIAVEWESNGQPPNNYKTPPVLDSDGSFFLYSKLTVDKSRW	300		
QY	301	QQGNVFSCSVMHEALNNHYTQKSLSPGK 330			
DB	301	QQGNVFSCSVMHEALNNHYTQKSLSPGK 330			

QY 61 GLYSLSVVTVPSSSLGTQYICNVNHRPSNTKVDKVEPKSCDKTHTCPCPABELLGG 120
DB 102 GLYSLSVVTVPSSSLGTQYICNVNHRPSNTKVDKVEPKSCDKTHTCPCPABELLGG 161
QY 121 PSVFLFPKPKDPTLMISTPEVTCVVDVSHEDPEVKFNWYVDGVEVNAKTKEPREQYN 180
DB 162 PSVFLFPKPKDPTLMISTPEVTCVVDVSHEDPEVKFNWYVDGVEVNAKTKEPREQYN 221
QY 181 STYRVSVLTVLHODMNGKEYCKVSNKALPAPIEKTISAKGQPREPOVYTLPPSRDE 240
DB 222 STYRVSVLTVLHODMNGKEYCKVSNKALPAPIEKTISAKGQPREPOVYTLPPSRDE 281
QY 241 LTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRW 300
DB 282 LTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRW 341
QY 301 QOGNVFSCSVNHEALHNHYTOKSLSLSPGK 330
DB 342 QOGNVFSCSVNHEALHNHYTOKSLSLSPGK 371

RESULT 4
US-10-157-408-7
Sequence 7, Application US/10157408
Patent No. 6710169
GENERAL INFORMATION:
APPLICANT: Capon, Daniel J.
Gregory, Timothy J.
TITLE OF INVENTION: Adhesion Variants
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/157,408
FILING DATE: 28-May-2002
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/457,918
FILING DATE: 1-JUN-1995
APPLICATION NUMBER: 08/236311
FILING DATE: 02-MAY-1994
APPLICATION NUMBER: 07/936190
FILING DATE: 26-AUG-1992
APPLICATION NUMBER: 07/842777
FILING DATE: 18-FEB-1992
APPLICATION NUMBER: 07/250785
FILING DATE: 28-SEP-1988
APPLICATION NUMBER: 07/104329
FILING DATE: 02-OCT-1987
ATTORNEY/AGENT INFORMATION:
NAME: Kubinec, Jeffrey S.
REGISTRATION NUMBER: 36,575
REFERENCE/DOCKET NUMBER: P0444P1C3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-8228
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 371 amino acids
TYPE: amino acid
TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-10-157-408-7
Query Match 100.0%; Score 1767; DB 2; Length 371;
Best Local Similarity 100.0%; Pred. No. 2,4e-159;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 ASTKGPSVFPLAPSSKSTSGGTAALGLVNDYFEPPYVSWNSGALTSGLTHFPVAVLQSS 60
DB 42 ASTKGPSVFPLAPSSKSTSGGTAALGLVNDYFEPPYVSWNSGALTSGLTHFPVAVLQSS 101
QY 61 GLYSLSVVTVPSSSLGTQYICNVNHRPSNTKVDKVEPKSCDKTHTCPCPABELLGG 120
DB 102 GLYSLSVVTVPSSSLGTQYICNVNHRPSNTKVDKVEPKSCDKTHTCPCPABELLGG 161
QY 121 PSVFLFPKPKDPTLMISTPEVTCVVDVSHEDPEVKFNWYVDGVEVNAKTKEPREQYN 180
DB 162 PSVFLFPKPKDPTLMISTPEVTCVVDVSHEDPEVKFNWYVDGVEVNAKTKEPREQYN 221
QY 181 STYRVSVLTVLHODMNGKEYCKVSNKALPAPIEKTISAKGQPREPOVYTLPPSRDE 240
DB 222 STYRVSVLTVLHODMNGKEYCKVSNKALPAPIEKTISAKGQPREPOVYTLPPSRDE 281
QY 241 LTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRW 300
DB 282 LTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRW 341
QY 301 QOGNVFSCSVNHEALHNHYTOKSLSLSPGK 330
DB 342 QOGNVFSCSVNHEALHNHYTOKSLSLSPGK 371

RESULT 5
US-10-147-849-7
Sequence 7, Application US/10147849
Patent No. 6972324
GENERAL INFORMATION:
APPLICANT: Adolf, Gunter
APPLICANT: Ostermann, Elinborg
APPLICANT: Patzelt, Erik
APPLICANT: Sproll, Marlies
APPLICANT: Heider, Karl-Heinz
APPLICANT: Miglietta, John
TITLE OF INVENTION: Antibodies specific for CD44v6
PRIOR REFERENCE: 1011.221002
CURRENT APPLICATION NUMBER: US/10/147,849
CURRENT FILING DATE: 2002-05-20
PRIOR APPLICATION NUMBER: US 60/325147
PRIOR FILING DATE: 2001-09-26
PRIOR APPLICATION NUMBER: US 60/323075
PRIOR FILING DATE: 2001-09-19
PRIOR APPLICATION NUMBER: EP 01112237.1
PRIOR FILING DATE: 2001-05-18
NUMBER OF SEQ ID NOS: 18
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 7
LENGTH: 444
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:humanized
OTHER INFORMATION: antibody sequence
US-10-147-849-7

Query Match 100.0%; Score 1767; DB 2; Length 444;
Best Local Similarity 100.0%; Pred. No. 3.2e-159;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 ASTKGPSVFPLAPSSKSTSGGTAALGLVNDYFEPPYVSWNSGALTSGLTHFPVAVLQSS 60
DB 115 ASTKGPSVFPLAPSSKSTSGGTAALGLVNDYFEPPYVSWNSGALTSGLTHFPVAVLQSS 174

QY 61 GLYSLSSVTVTPSSSISGTOYICNVNHPKPSNTKYDKKVEPKSCDKHTTCCPCAPPELLGG 120
DB 175 GLYSLSSVTVTPSSSISGTOYICNVNHPKPSNTKYDKKVEPKSCDKHTTCCPCAPPELLGG 234
QY 121 PSVFLPPPKKDTLMTSRPEVTCVVDVSHEDPEVKFNMYVDGVEVHNAKTKPREQYN 180
DB 235 PSVFLPPPKKDTLMTSRPEVTCVVDVSHEDPEVKFNMYVDGVEVHNAKTKPREQYN 294
QY 181 STYRVSVTLTVLHODWLNKGEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
DB 295 STYRVSVTLTVLHODWLNKGEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 354
QY 241 LTRNQVSLTCLVNGFYPSDIAVEMESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRW 300
DB 355 LTRNQVSLTCLVNGFYPSDIAVEMESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRW 414
QY 301 QOQNVFSCSVMEALHNHYTQKSLSLSPGK 330
DB 415 QOQNVFSCSVMEALHNHYTQKSLSLSPGK 444

RESULT 6

US-08-397-411-7
Sequence 7, Application US/08397411
Patent No. 6129914
GENERAL INFORMATION:
APPLICANT: Weiner, George
APPLICANT: Gingrich, Roger
APPLICANT: Link, Brian
APPLICANT: Tso, J. Yun
TITLE OF INVENTION: B-specific Antibody Effective to Treat
TITLE OF INVENTION: B-Cell Lymphoma and Cell Line
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew
STREET: One Market Plaza, Steuart Tower, Suite 2000
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94105
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/397,411
FILING DATE: 01-MAR-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/859,583
FILING DATE: 27-MAR-1992
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 011823-004901
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-326-2400
TELEFAX: 415-326-2422
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 446 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-397-411-7

Query Match 100.0%; Score 1767; DB 2; Length 446;
Best Local Similarity 100.0%; Pred. No. 3.2e-159;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
1 ASTKGPSVFPLAPSSKSTSGGTALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSS 60

DB 117 ASTKGPSVFPLAPSSKSTSGGTALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSS 176
QY 61 GLYSLSSVTVTPSSSISGTOYICNVNHPKPSNTKYDKKVEPKSCDKHTTCCPCAPPELLGG 120
DB 177 GLYSLSSVTVTPSSSISGTOYICNVNHPKPSNTKYDKKVEPKSCDKHTTCCPCAPPELLGG 236
QY 121 PSVFLPPPKKDTLMTSRPEVTCVVDVSHEDPEVKFNMYVDGVEVHNAKTKPREQYN 180
DB 237 PSVFLPPPKKDTLMTSRPEVTCVVDVSHEDPEVKFNMYVDGVEVHNAKTKPREQYN 296
QY 181 STYRVSVTLTVLHODWLNKGEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
DB 297 STYRVSVTLTVLHODWLNKGEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 356
QY 241 LTRNQVSLTCLVNGFYPSDIAVEMESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRW 300
DB 357 LTRNQVSLTCLVNGFYPSDIAVEMESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRW 416
QY 301 QOQNVFSCSVMEALHNHYTQKSLSLSPGK 330
DB 417 QOQNVFSCSVMEALHNHYTQKSLSLSPGK 446

RESULT 7

US-08-458-516-13
Sequence 13, Application US/08458516
Patent No. 577085
GENERAL INFORMATION:
APPLICANT: Co, Man Sung
APPLICANT: Tso, J. Yun
TITLE OF INVENTION: Humanized Antibodies Reactive with
TITLE OF INVENTION: GPIIB/IIIA
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: William M. Smith
STREET: One Market Plaza, Steuart Tower, Suite 2000
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94105
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/458,516
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/059,159
FILING DATE: 03-MAY-1993
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 11823-37-3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-326-2400
TELEFAX: 415-326-2422
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 449 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-458-516-13

Query Match 100.0%; Score 1767; DB 1; Length 449;
Best Local Similarity 100.0%; Pred. No. 3.2e-159;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTGSPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVMNSGALTSGVHTFPFPAVLQSS 60
DB 120 ASTGSPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVMNSGALTSGVHTFPFPAVLQSS 179
QY 61 GLYSLSVVTVPSSSLGTQYICNVNHRPSNTKVDKVEPKSCDTHTCPPCPABELLGG 120
DB 180 GLYSLSVVTVPSSSLGTQYICNVNHRPSNTKVDKVEPKSCDTHTCPPCPABELLGG 239
QY 121 PSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKENMYVDGVENAKTKPREEOYN 180
DB 240 PSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKENMYVDGVENAKTKPREEOYN 299
QY 181 STYRVSVLTVLHODMNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
DB 300 STYRVSVLTVLHODMNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 359
QY 241 LTRNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFPLYSKLTVDKSRW 300
DB 360 LTRNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFPLYSKLTVDKSRW 419
QY 301 QQGNVFCSVMEALHNHYTOKSLSLSPGK 330
DB 420 QQGNVFCSVMEALHNHYTOKSLSLSPGK 449

RESULT 8

US-08-030-175-41
Sequence 41, Application US/08030175
Patent No. 6767996
GENERAL INFORMATION:
APPLICANT: Gorman, Scott D.
APPLICANT: Clark, Michael R.
APPLICANT: Cobbold, Stephen P.
APPLICANT: Waldmann, Herman
TITLE OF INVENTION: ALTERED ANTIBODIES AND THEIR PREPARATION
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESSEE: Rothwell, Figg, Ernst & Kurz, P. C.
STREET: 555 13TH ST., NW Suite 701 East
CITY: Washington
STATE: D. C.
COUNTRY: U.S.
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk, 5.25 inch, 360 Kb storage
COMPUTER: IBM AT compatible
OPERATING SYSTEM: PC-DOS/MS-DOS V 3.2
SOFTWARE: WordPerfect 5.0 (Doe Text)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/030,175
FILING DATE: 17-MAY-1993
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/GB91/01578
FILING DATE: 13-SEP-1991
ATTORNEY/AGENT INFORMATION:
NAME: Ernst, Barbara G.
REGISTRATION NUMBER: 30,377
REFERENCE/DOCKET NUMBER: 1768-113
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)783-6040
TELEFAX: (202)783-6031
INFORMATION FOR SEQ ID NO: 41:
SEQUENCE CHARACTERISTICS:
LENGTH: 467 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-030-175-41

Query Match 100.0%; Score 1767; DB 2; Length 467;
Best Local Similarity 100.0%; Pred. No. 3,4e-159; Indels 0; Gaps 0;
Matches 330; Conservative 0; Mismatches 0;

QY 1 ASTGSPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVMNSGALTSGVHTFPFPAVLQSS 60
DB 138 ASTGSPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVMNSGALTSGVHTFPFPAVLQSS 197
QY 61 GLYSLSVVTVPSSSLGTQYICNVNHRPSNTKVDKVEPKSCDTHTCPPCPABELLGG 120
DB 198 GLYSLSVVTVPSSSLGTQYICNVNHRPSNTKVDKVEPKSCDTHTCPPCPABELLGG 257
QY 121 PSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKENMYVDGVENAKTKPREEOYN 180
DB 258 PSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKENMYVDGVENAKTKPREEOYN 317
QY 181 STYRVSVLTVLHODMNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
DB 318 STYRVSVLTVLHODMNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 377
QY 241 LTRNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFPLYSKLTVDKSRW 300
DB 378 LTRNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFPLYSKLTVDKSRW 437
QY 301 QQGNVFCSVMEALHNHYTOKSLSLSPGK 330
DB 438 QQGNVFCSVMEALHNHYTOKSLSLSPGK 467

RESULT 9

US-08-030-175-42
Sequence 42, Application US/08030175
Patent No. 6767996
GENERAL INFORMATION:
APPLICANT: Gorman, Scott D.
APPLICANT: Clark, Michael R.
APPLICANT: Cobbold, Stephen P.
APPLICANT: Waldmann, Herman
TITLE OF INVENTION: ALTERED ANTIBODIES AND THEIR PREPARATION
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESSEE: Rothwell, Figg, Ernst & Kurz, P. C.
STREET: 555 13TH ST., NW Suite 701 East
CITY: Washington
STATE: D. C.
COUNTRY: U.S.
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk, 5.25 inch, 360 Kb storage
COMPUTER: IBM AT compatible
OPERATING SYSTEM: PC-DOS/MS-DOS V 3.2
SOFTWARE: WordPerfect 5.0 (Doe Text)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/030,175
FILING DATE: 17-MAY-1993
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/GB91/01578
FILING DATE: 13-SEP-1991
ATTORNEY/AGENT INFORMATION:
NAME: Ernst, Barbara G.
REGISTRATION NUMBER: 30,377
REFERENCE/DOCKET NUMBER: 1768-113
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)783-6040
TELEFAX: (202)783-6031
INFORMATION FOR SEQ ID NO: 42:
SEQUENCE CHARACTERISTICS:
LENGTH: 467 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-030-175-42

Query Match 100.0%; Score 1767; DB 2; Length 467;
Best Local Similarity 100.0%; Pred. No. 3,4e-159; Indels 0; Gaps 0;

	Matches	330; Conservative	0; Mismatches	0; Indels	0; Gaps	0;
QY	1	ASTKPSVFLPAPSSKSTSGGTAALGCLVKDYPPEPTVSNMSGALTSGVHTFPAYLQSS	60			
Db	138	ASTKPSVFLPAPSSKSTSGGTAALGCLVKDYDPEPTVSNMSGALTSGVHTFPAYLQSS	197			
QY	61	GLYSLSSTVYVTPSSSLGTQYICNNNHKPSNTKVDKVEPKSCDTHCCPPAPALLGG	120			
Db	198	GLYSLSSTVYVTPSSSLGTQYICNNNHKPSNTKVDKVEPKSCDTHCCPPAPALLGG	257			
QY	121	PSVFLPEPKPKDITLMSRTEPVTCVVYVSHEDPEVKFMVYDGYEVHNAKTKPREEOYN	180			
Db	258	PSVFLPEPKPKDITLMSRTEPVTCVVYVSHEDPEVKFMVYDGYEVHNAKTKPREEOYN	317			
QY	161	STRYVSVVLTVLHADQMLNGKEYCKCYNSKALPAPIEKTISAKAGQPREBOVYTLPPSDE	240			
Db	318	STRYVSVVLTVLHADQMLNGKEYCKCYNSKALPAPIEKTISAKAGQPREBOVYTLPPSDE	377			
QY	241	LTKQNVSLTCLVKGYPSPDIAVEMESNQGPENNYKTTTPPVLDDSGSFFLYSKLTVDKSRW	300			
Db	378	LTKQNVSLTCLVKGYPSPDIAVEMESNQGPENNYKTTTPPVLDDSGSFFLYSKLTVDKSRW	437			
QY	301	QOGNPFSCSVNHEALHNHYTKSLSPGK	330			
Db	438	QOGNPFSCSVNHEALHNHYTKSLSPGK	467			

```

RESULT 10
US-10-104-047-3730
: Sequence 3730, Application US/10104047
: Patent No. 6943241
: GENERAL INFORMATION:
: APPLICANT: HELIX RESEARCH INSTITUTE
: TITLE OF INVENTION: NO. 6943241el full length cdna
: FILE REFERENCE: H1-A0105
: CURRENT APPLICATION NUMBER: US/10/104,047
: CURRENT FILING DATE: 2002-03-25
: PRIOR APPLICATION NUMBER:
: PRIOR FILING DATE:
: NUMBER OF SEQ ID NOS: 4096
: SOFTWARE: PatentIn Ver. 2.1
: SEQ ID NO 3730
: LENGTH: 470
: TYPE: PRT
: ORGANISM: Homo sapiens
US-10-104-047-3730

```

Query Match	100.0%;	Score 1767;	DB 2;	Length 470;
Best Local Similarity	100.0%;	Pred. No. 3.5e-159;		
Matches 330;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

Oy	1	ASTKPSVPEPLAPSSKSTSGGTAALGCLVKDYRPEPEVYTSNMSGALTSGVHTPEPAVLAQSS	60
Db	141	ASTKPSVPEPLAPSSKSTSGGTAALGCLVKDYRPEPEVYTSNMSGALTSGVHTPEPAVLAQSS	200
Oy	61	GLYSLSVVTVBSSSLGIGTQYIICNVHAKESNTEVDKKVEPKSCDKHTTCCPCAPAEILGG	120
Db	201	GLYSLSVVTVBSSSLGIGTQYIICNVHAKESNTEVDKKVEPKSCDKHTTCCPCAPAEILGG	260
Oy	121	PSVFLFPPPKPKOTLMISRTPEVTCVVVDVSHEDPEVKFWMYVDDGVEVHNAAKTPKREBOYN	180
Db	261	PSVFLFPPPKPKOTLMISRTPEVTCVVVDVSHEDPEVKFWMYVDDGVEVHNAAKTPKREBOYN	320
Oy	181	STYRVSVVTVLTHQOMLNKEEKCKVSNALPAPIEKTSKAGQOREPQVYLLPPSRDE	240
Db	321	STYRVSVVTVLTHQOMLNKEEKCKVSNALPAPIEKTSKAGQOREPQVYLLPPSRDE	380
Oy	241	LTKQNVSLTCLVKGFPSPDIAVEWESNGQPENNYKTTPLVLDSDGSFFLYSKLTVPKSRW	300
Db	381	LTKQNVSLTCLVKGFPSPDIAVEWESNGQPENNYKTTPLVLDSDGSFFLYSKLTVPKSRW	440
Oy	301	QQGNVFCSCVMHEALHNHYTQKSLSLSPCK	330

Db 441 QQGNVFSQVMHEALHNHYTQKSLSPGK 470

```

RESULT 11
US-08-378-939-10
Sequence 10, Application US/08378939
Patent No. 5876961
GENERAL INFORMATION:
APPLICANT: CROME, JAMES SCOTT
APPLICANT: LEWIS, ALAN PETER
TITLE OF INVENTION: PRODUCTION OF ANTIBODIES
NUMBER OF SEQUENCES: 46
CORRESPONDENCE ADDRESS:
ADDRESSEE: ROTHWELL, FIGG, ERNST & KURZ
STREET: 555 THIRTEENTH ST. N.W.
CITY: WASHINGTON
STATE: D. C.
COUNTRY: U.S.
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/378,939
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/952640
FILING DATE: 01-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: ERNST, BARBARA G
REGISTRATION NUMBER: 30,377
REFERENCE/DOCKET NUMBER: 1808-118
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 783-6040
TELEFAX: (202) 783-6031
INFORMATION FOR SEQ. ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 476 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-378-939-10

```

Query March	100.0%	Score 1767	DB 1	Length 476
Best Local Similarity	100.0%	Pred. No. 3.5e-159		
Matches 330, Conservative	0	Mismatches 0	Indels 0	Gaps 0

[illegible]

RESULT 12
US-09-746-359A-54
Sequence 54, Application US/09746359A
Patent No. 6610286
GENERAL INFORMATION:
APPLICANT: Thompson, Penny
APPLICANT: Foster, Donald C.
APPLICANT: Xu, Wenfeng
APPLICANT: Madden, Karen L.
APPLICANT: Kelly, James D.
APPLICANT: Sprecher, Cindy A.
APPLICANT: Blumberg, Hal
APPLICANT: Eagan, Maribeth A.
APPLICANT: Jasper, Stephen R.
APPLICANT: Chandraseker, Yashin A.
APPLICANT: No. 6610286a, Julia E.
TITLE OF INVENTION: Method for Treating Inflammation
FILE REFERENCE: 99-108
CURRENT APPLICATION NUMBER: US/09/746.359A
CURRENT FILING DATE: 2001-05-21
PRIOR APPLICATION NUMBER: 60/171,969
PRIOR FILING DATE: 1999-12-23, 341
PRIOR APPLICATION NUMBER: 60/213,341
PRIOR FILING DATE: 2000-06-22
NUMBER OF SEQ ID NOS: 72
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 54
LENGTH: 547
TYPE: PRT
ORGANISM: Homo sapiens
US-09-746-359A-54

Query Match 100.0%; Score 1767; DB 2; Length 547;
Best Local Similarity 100.0%; Pred. No. 4.4e-159;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTGKPSVFLPAPSSKSTSGTALGCLVKDYFPEPTVSNVSGALTSGLVHTFPVAVLQSS 60
DB 218 ASTKGPVFLPAPSSKSTSGTALGCLVKDYFPEPTVSNVSGALTSGLVHTFPVAVLQSS 277
QY 61 GLYSLSSVTVVPSSSLGTQYICNVNHPKSTKVDKVEPKSCDKHTCCPCPAPELLGG 120
DB 278 GLYSLSSVTVVPSSSLGTQYICNVNHPKSTKVDKVEPKSCDKHTCCPCPAPELLGG 337
QY 121 PSVFLPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAATKPREEOYN 180
DB 338 PSVFLPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAATKPREEOYN 397
QY 181 STYRVSVLTVLHODMNLNGEKYCKVSKNKLPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
DB 398 STYRVSVLTVLHODMNLNGEKYCKVSKNKLPAPIEKTISKAKGQPREPOVYTLPPSRDE 457
QY 241 LTRNQVSLTCLVKGFPYSDIAVEWESNGOPENNYKTPVLDSDGSFPLYSKLTVDKSRW 300
DB 458 LTRNQVSLTCLVKGFPYSDIAVEWESNGOPENNYKTPVLDSDGSFPLYSKLTVDKSRW 517
QY 301 QQGNVFSQVMEALHNHYTOKSLSLSPGK 330
DB 518 QQGNVFSQVMEALHNHYTOKSLSLSPGK 547

RESULT 13
US-09-825-561A-16
Sequence 16, Application US/09825561A
Patent No. 6777539
GENERAL INFORMATION:
APPLICANT: Sprecher, Cindy A.
APPLICANT: No. 6777539a, Julia E.
APPLICANT: West, James W.
APPLICANT: Presnell, Scott R.
APPLICANT: Holly, Richard D.

APPLICANT: Nelson, Andrew J.
TITLE OF INVENTION: SOLUBLE ZALPHA11 CYTOKINE RECEPTORS
FILE REFERENCE: 00-22
CURRENT APPLICATION NUMBER: US/09/825.561A
CURRENT FILING DATE: 2000-04-05
PRIOR APPLICATION NUMBER: US 60/194,731
PRIOR FILING DATE: 2000-04-05
PRIOR APPLICATION NUMBER: US 60/222,121
PRIOR FILING DATE: 2000-07-28
NUMBER OF SEQ ID NOS: 86
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 16
LENGTH: 567
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: soluble zalpahal1R/IgGammal polypeptide
US-09-825-561A-16

Query Match 100.0%; Score 1767; DB 2; Length 567;
Best Local Similarity 100.0%; Pred. No. 4.6e-159;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTGKPSVFLPAPSSKSTSGTALGCLVKDYFPEPTVSNVSGALTSGLVHTFPVAVLQSS 60
DB 238 ASTKGPVFLPAPSSKSTSGTALGCLVKDYFPEPTVSNVSGALTSGLVHTFPVAVLQSS 297
QY 61 GLYSLSSVTVVPSSSLGTQYICNVNHPKSTKVDKVEPKSCDKHTCCPCPAPELLGG 120
DB 298 GLYSLSSVTVVPSSSLGTQYICNVNHPKSTKVDKVEPKSCDKHTCCPCPAPELLGG 357
QY 121 PSVFLPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAATKPREEOYN 180
DB 358 PSVFLPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAATKPREEOYN 417
QY 181 STYRVSVLTVLHODMNLNGEKYCKVSKNKLPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
DB 418 STYRVSVLTVLHODMNLNGEKYCKVSKNKLPAPIEKTISKAKGQPREPOVYTLPPSRDE 477
QY 241 LTRNQVSLTCLVKGFPYSDIAVEWESNGOPENNYKTPVLDSDGSFPLYSKLTVDKSRW 300
DB 478 LTRNQVSLTCLVKGFPYSDIAVEWESNGOPENNYKTPVLDSDGSFPLYSKLTVDKSRW 537
QY 301 QQGNVFSQVMEALHNHYTOKSLSLSPGK 330
DB 538 QQGNVFSQVMEALHNHYTOKSLSLSPGK 567

RESULT 14
US-09-746-359A-53
Sequence 53, Application US/09746359A
Patent No. 6610286
GENERAL INFORMATION:
APPLICANT: Thompson, Penny
APPLICANT: Foster, Donald C.
APPLICANT: Xu, Wenfeng
APPLICANT: Madden, Karen L.
APPLICANT: Kelly, James D.
APPLICANT: Sprecher, Cindy A.
APPLICANT: Blumberg, Hal
APPLICANT: Eagan, Maribeth A.
APPLICANT: Jasper, Stephen R.
APPLICANT: Chandraseker, Yashin A.
APPLICANT: No. 6610286a, Julia E.
TITLE OF INVENTION: Method for Treating Inflammation
FILE REFERENCE: 99-108
CURRENT APPLICATION NUMBER: US/09/746.359A
CURRENT FILING DATE: 2001-05-21
PRIOR APPLICATION NUMBER: 60/171,969
PRIOR FILING DATE: 1999-12-23, 341
PRIOR APPLICATION NUMBER: 60/213,341
PRIOR FILING DATE: 2000-06-22
NUMBER OF SEQ ID NOS: 72

SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 53
; LENGTH: 571
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-746-359A-53

Query Match 100.0%; Score 1767; DB 2; Length 571;
Best Local Similarity 100.0%; Pred. No. 4.6e-159;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTKGPSVFPPLAPSSKSTSGGTAALGCLVDDYFPEPTVSWNSGALTSVHTFPAYVQSS 60
DB 242 ASTKGPSVFPPLAPSSKSTSGGTAALGCLVDDYFPEPTVSWNSGALTSVHTFPAYVQSS 301
QY 61 GLYSLSVVTVTPSSSLGTQTYICNVNHNKPSNTKYDKKVEPKSCDKHTCPCPAPELLGG 120
DB 302 GLYSLSVVTVTPSSSLGTQTYICNVNHNKPSNTKYDKKVEPKSCDKHTCPCPAPELLGG 361
QY 121 PSVFLPPPKKDTLMTSRPEVTCVVVDVSHEDPEVKFNNYVDSGEVHNAAKTKPREQYN 180
DB 362 PSVFLPPPKKDTLMTSRPEVTCVVVDVSHEDPEVKFNNYVDSGEVHNAAKTKPREQYN 421
QY 181 STRRVSVTLTVLHODMUNGKEYCKYCNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
DB 422 STRRVSVTLTVLHODMUNGKEYCKYCNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 481
QY 241 LTRNQVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTPVLDSGSEFELYSKLTVDKSRW 300
DB 482 LTRNQVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTPVLDSGSEFELYSKLTVDKSRW 541
QY 301 QQGNVFSQSVMEALHNHYTQKSLSLSPGK 330
DB 542 QQGNVFSQSVMEALHNHYTQKSLSLSPGK 571

RESULT 15
US-09-313-942-9
; Sequence 9, Application US/09313942
; Patent No. 6472179
; GENERAL INFORMATION:
; APPLICANT: REGENERON PHARMACEUTICALS, INC.
; TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
; FILE REFERENCE: REG 203-A
; CURRENT APPLICATION NUMBER: US/09/313,942
; PRIOR FILING DATE: 1999-05-19
; PRIOR APPLICATION NUMBER: 60/101,858
; PRIOR FILING DATE: 1998-09-25
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 9
; LENGTH: 951
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-313-942-9

Query Match 100.0%; Score 1767; DB 2; Length 951;
Best Local Similarity 100.0%; Pred. No. 1e-158;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTKGPSVFPPLAPSSKSTSGGTAALGCLVDDYFPEPTVSWNSGALTSVHTFPAYVQSS 60
DB 622 ASTKGPSVFPPLAPSSKSTSGGTAALGCLVDDYFPEPTVSWNSGALTSVHTFPAYVQSS 681
QY 61 GLYSLSVVTVTPSSSLGTQTYICNVNHNKPSNTKYDKKVEPKSCDKHTCPCPAPELLGG 120
DB 682 GLYSLSVVTVTPSSSLGTQTYICNVNHNKPSNTKYDKKVEPKSCDKHTCPCPAPELLGG 741
QY 121 PSVFLPPPKKDTLMTSRPEVTCVVVDVSHEDPEVKFNNYVDSGEVHNAAKTKPREQYN 180

DB 742 PSVFLPPPKKDTLMTSRPEVTCVVVDVSHEDPEVKFNNYVDSGEVHNAAKTKPREQYN 801
QY 181 STRRVSVTLTVLHODMUNGKEYCKYCNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
DB 802 STRRVSVTLTVLHODMUNGKEYCKYCNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 861
QY 241 LTRNQVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTPVLDSGSEFELYSKLTVDKSRW 300
DB 862 LTRNQVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTPVLDSGSEFELYSKLTVDKSRW 921
QY 301 QQGNVFSQSVMEALHNHYTQKSLSLSPGK 330
DB 922 QQGNVFSQSVMEALHNHYTQKSLSLSPGK 951

Search completed: June 28, 2006, 17:38:58
Job time : 44.246 sec

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OM protein - protein search, using sw model

Run on: June 28, 2006, 17:39:20 ; Search time 147.036 Seconds
(without alignments)
1039.613 Million cell updates/sec

Title: US-10-687-118-3

Perfect score: 1767
Sequence: 1 ASTKGPSVFLAPSSKSTSG.....MHEALHNHYTQKLSLSPGK 330

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2097797 seqs, 463214858 residues

Total number of hits satisfying chosen parameters: 2097797

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Published Applications_AA_Main:*

- 1: /EMC_Celerra_SIDS3/prodata/2/pubppaa/US07_PUBCOMB.pep:*
- 2: /EMC_Celerra_SIDS3/prodata/2/pubppaa/US08_PUBCOMB.pep:*
- 3: /EMC_Celerra_SIDS3/prodata/2/pubppaa/US09_PUBCOMB.pep:*
- 4: /EMC_Celerra_SIDS3/prodata/2/pubppaa/US10_PUBCOMB.pep:*
- 5: /EMC_Celerra_SIDS3/prodata/2/pubppaa/US10B_PUBCOMB.pep:*
- 6: /EMC_Celerra_SIDS3/prodata/2/pubppaa/US11_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1767	100.0	330	US-09-995-898A-15	Sequence 15, Appl
2	1767	100.0	330	US-09-892-949-38	Sequence 38, Appl
3	1767	100.0	330	US-10-047-542-20	Sequence 20, Appl
4	1767	100.0	330	US-10-269-805-68	Sequence 68, Appl
5	1767	100.0	330	US-10-310-719-8	Sequence 8, Appl
6	1767	100.0	330	US-10-112-582-1	Sequence 1, Appl
7	1767	100.0	330	US-10-320-211A-81	Sequence 81, Appl
8	1767	100.0	330	US-10-383-902A-6	Sequence 6, Appl
9	1767	100.0	330	US-10-408-901-2	Sequence 2, Appl
10	1767	100.0	330	US-10-420-034A-15	Sequence 15, Appl
11	1767	100.0	330	US-10-257-907-5	Sequence 5, Appl
12	1767	100.0	330	US-10-656-769-2	Sequence 2, Appl
13	1767	100.0	330	US-10-772-531-38	Sequence 38, Appl
14	1767	100.0	330	US-10-479-326-1	Sequence 1, Appl
15	1767	100.0	330	US-10-815-449-8	Sequence 8, Appl
16	1767	100.0	330	US-10-684-957-2	Sequence 2, Appl
17	1767	100.0	330	US-10-886-838-5	Sequence 5, Appl
18	1767	100.0	330	US-10-822-300-3	Sequence 3, Appl
19	1767	100.0	330	US-10-822-300-7	Sequence 7, Appl
20	1767	100.0	330	US-10-687-118-3	Sequence 3, Appl
21	1767	100.0	330	US-10-687-118-7	Sequence 7, Appl
22	1767	100.0	330	US-10-901-735-2	Sequence 2, Appl
23	1767	100.0	330	US-10-698-907-22	Sequence 22, Appl
24	1767	100.0	330	US-10-928-305-7	Sequence 7, Appl
25	1767	100.0	330	US-10-460-109-5	Sequence 5, Appl
26	1767	100.0	330	US-10-891-658-2	Sequence 2, Appl
27	1767	100.0	330	US-10-867-506-81	Sequence 81, Appl

28	1767	100.0	330	US-10-937-596-31	Sequence 31, Appl
29	1767	100.0	330	US-10-893-576-45	Sequence 45, Appl
30	1767	100.0	330	US-10-868-373-8	Sequence 8, Appl
31	1767	100.0	330	US-10-977-369-139	Sequence 139, Appl
32	1767	100.0	330	US-10-901-776-60	Sequence 60, Appl
33	1767	100.0	330	US-10-982-555-38	Sequence 38, Appl
34	1767	100.0	330	US-10-493-909-20	Sequence 20, Appl
35	1767	100.0	330	US-10-982-440-68	Sequence 68, Appl
36	1767	100.0	330	US-11-004-054-1	Sequence 1, Appl
37	1767	100.0	330	US-11-026-998-22	Sequence 22, Appl
38	1767	100.0	330	US-11-027-309A-22	Sequence 22, Appl
39	1767	100.0	330	US-11-090-836-44	Sequence 44, Appl
40	1767	100.0	330	US-11-090-846-44	Sequence 44, Appl
41	1767	100.0	330	US-11-090-847-44	Sequence 44, Appl
42	1767	100.0	330	US-11-102-403-24	Sequence 24, Appl
43	1767	100.0	330	US-11-022-289-11	Sequence 11, Appl
44	1767	100.0	330	US-11-075-351-1	Sequence 1, Appl
45	1767	100.0	330	US-11-165-141-15	Sequence 15, Appl

ALIGNMENTS

RESULT 1

US-09-995-898A-15
; Sequence 15, Application US/0995898A
; Publication No. US20030027253A1
; GENERAL INFORMATION:
; APPLICANT: Presnell, Scott R.
; APPLICANT: Xu, Wenfeng
; APPLICANT: No. US20030027253A1ak, Julia E.
; APPLICANT: Whitmore, Theodore E.
; APPLICANT: Grant, Francis J.
; TITLE OF INVENTION: CYTOKINE RECEPTOR ZCYTOR19
; FILE REFERENCE: 00-108
; CURRENT APPLICATION NUMBER: US/09/995,898A
; CURRENT FILING DATE: 2001-11-28
; PRIOR APPLICATION NUMBER: US 60/253,561
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: US 60/267,211
; PRIOR FILING DATE: 2001-02-07
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 15
; LENGTH: 330
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-995-898A-15

Query Match 100.0%; Score 1767; DB 3; Length 330;
Best Local Similarity 100.0%; Pred. No. 1e-128;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	ASTKGPSVFLAPSSKSTSGTAAAGCTVADYFPEPYVSMNSGALTSGVTFPAVLQSS	60
DB	1	ASTKGPSVFLAPSSKSTSGTAAAGCTVADYFPEPYVSMNSGALTSGVTFPAVLQSS	60
QY	61	GLYSLSSVTVTPSSSLGTQYICNVNHNKPSNTYVDKVEPKSCDHTTCCPAPBELLGG	120
DB	61	GLYSLSSVTVTPSSSLGTQYICNVNHNKPSNTYVDKVEPKSCDHTTCCPAPBELLGG	120
QY	121	PSVFLPFRKDKDLMTSRTPEVTCVAVDVSHDEPEVEMNYVVGVEVHNKTKPREBOYN	180
DB	121	PSVFLPFRKDKDLMTSRTPEVTCVAVDVSHDEPEVEMNYVVGVEVHNKTKPREBOYN	180
QY	181	STRVSVVLTVLHQDWLNGKEYCKVSNKALPAPIETKISKAKGQPREPOVYTLPPSRDE	240
DB	181	STRVSVVLTVLHQDWLNGKEYCKVSNKALPAPIETKISKAKGQPREPOVYTLPPSRDE	240
QY	241	LTKQVSLTCLVKGFPYSDIAVEMESNGQENNYKTTTPVLDSDGSFFLYSKLTVDKSRW	300
DB	241	LTKQVSLTCLVKGFPYSDIAVEMESNGQENNYKTTTPVLDSDGSFFLYSKLTVDKSRW	300

QY 301 QOQNVFSCSVMEALHNHYTOKSLSPGK 330
Db 301 QOQNVFSCSVMEALHNHYTOKSLSPGK 330

RESULT 2

US-09-892-949-38
; Sequence 38, Application US/09892949
; Publication No. US20030096339A1
; GENERAL INFORMATION:
; APPLICANT: Sprechter, Cindy A.
; APPLICANT: Presnell, Scott R.
; APPLICANT: Gao, Zeren
; APPLICANT: Whitmore, Theodore E.
; APPLICANT: Kiljper, Joseph L.
; APPLICANT: Maurer, Mark F.
; TITLE OF INVENTION: CYTOKINE RECEPTOR ZCYTOR17
; FILE REFERENCE: 00-42
; CURRENT APPLICATION NUMBER: US/09/892,949
; CURRENT FILING DATE: 2001-06-26
; PRIOR APPLICATION NUMBER: US 60/214,282
; PRIOR FILING DATE: 2000-06-26
; PRIOR APPLICATION NUMBER: US 60/214,955
; PRIOR FILING DATE: 2000-06-29
; PRIOR APPLICATION NUMBER: US 60/267,963
; PRIOR FILING DATE: 2001-08-02
; NUMBER OF SEQ ID NOS: 93
; SOFTWARE: FaastSeq for Windows Version 3.0
; SEQ ID NO 38
; LENGTH: 330
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-892-949-38

Query Match 100.0%; Score 1767; DB 3; Length 330;
Best Local Similarity 100.0%; Pred. No. 1e-128;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTKGPSVFPPLABSSKSTSGGTAAAGCLVVDYFPEPVTVSMNSGALTSGVHTFPAYLQSS 60
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QY 61 GLYSLSVTVTPSSSLGTQTYICNVNHRKPSNTKVDKVEPKSCDKHTCTPCPAPELLGG 120
Db 61 GLYSLSVTVTPSSSLGTQTYICNVNHRKPSNTKVDKVEPKSCDKHTCTPCPAPELLGG 120
QY 121 PSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFMNYVDGVEVHNAKTRPREQYN 180
Db 121 PSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFMNYVDGVEVHNAKTRPREQYN 180
QY 181 STYRVVSVLTVLHQMVLNGKEYKCVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDE 240
Db 181 STYRVVSVLTVLHQMVLNGKEYKCVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDE 240
QY 241 LTQNOVSLTCLVGFYPSDIAVWESNGQPENNYKTTIPVLDSDGSFELYSKLTVDKSRW 300
Db 241 LTQNOVSLTCLVGFYPSDIAVWESNGQPENNYKTTIPVLDSDGSFELYSKLTVDKSRW 300
QY 301 QOQNVFSCSVMEALHNHYTOKSLSPGK 330
Db 301 QOQNVFSCSVMEALHNHYTOKSLSPGK 330

RESULT 3

US-10-047-542-20
; Sequence 20, Application US/10047542
; Publication No. US20020168367A1
; GENERAL INFORMATION:
; APPLICANT: LARRICK, JAMES W.
; APPLICANT: WYCOFF, KEITH L.
; TITLE OF INVENTION: NOVEL IMMUNOADHESINS FOR TREATING AND PREVENTING VIRAL
; FILE REFERENCE: 030905.0004.C1P1

; CURRENT APPLICATION NUMBER: US/10/047,542
; CURRENT FILING DATE: 2001-10-26
; PRIOR APPLICATION NUMBER: PCT/US01/13932
; PRIOR FILING DATE: 2001-04-28
; PRIOR APPLICATION NUMBER: 60/200,298
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 101
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 20
; LENGTH: 330
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-047-542-20

Query Match 100.0%; Score 1767; DB 4; Length 330;
Best Local Similarity 100.0%; Pred. No. 1e-128;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTKGPSVFPPLABSSKSTSGGTAAAGCLVVDYFPEPVTVSMNSGALTSGVHTFPAYLQSS 60
Db 1 ASTKGPSVFPPLABSSKSTSGGTAAAGCLVVDYFPEPVTVSMNSGALTSGVHTFPAYLQSS 60
QY 61 GLYSLSVTVTPSSSLGTQTYICNVNHRKPSNTKVDKVEPKSCDKHTCTPCPAPELLGG 120
Db 61 GLYSLSVTVTPSSSLGTQTYICNVNHRKPSNTKVDKVEPKSCDKHTCTPCPAPELLGG 120
QY 121 PSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFMNYVDGVEVHNAKTRPREQYN 180
Db 121 PSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFMNYVDGVEVHNAKTRPREQYN 180
QY 181 STYRVVSVLTVLHQMVLNGKEYKCVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDE 240
Db 181 STYRVVSVLTVLHQMVLNGKEYKCVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDE 240
QY 241 LTQNOVSLTCLVGFYPSDIAVWESNGQPENNYKTTIPVLDSDGSFELYSKLTVDKSRW 300
Db 241 LTQNOVSLTCLVGFYPSDIAVWESNGQPENNYKTTIPVLDSDGSFELYSKLTVDKSRW 300
QY 301 QOQNVFSCSVMEALHNHYTOKSLSPGK 330
Db 301 QOQNVFSCSVMEALHNHYTOKSLSPGK 330

RESULT 4

US-10-269-805-68
; Sequence 68, Application US/10269805
; Publication No. US20030124129A1
; GENERAL INFORMATION:
; APPLICANT: OLIVER, JONATHAN D.
; TITLE OF INVENTION: ANGIOPOIETIN-2 SPECIFIC BINDING AGENTS
; CURRENT APPLICATION NUMBER: US/10/269,805
; CURRENT FILING DATE: 2002-10-10
; PRIOR APPLICATION NUMBER: US 60/328,604
; PRIOR FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 76
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 68
; LENGTH: 330
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-269-805-68

Query Match 100.0%; Score 1767; DB 4; Length 330;
Best Local Similarity 100.0%; Pred. No. 1e-128;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTKGPSVFPPLABSSKSTSGGTAAAGCLVVDYFPEPVTVSMNSGALTSGVHTFPAYLQSS 60
Db 1 ASTKGPSVFPPLABSSKSTSGGTAAAGCLVVDYFPEPVTVSMNSGALTSGVHTFPAYLQSS 60
QY 61 GLYSLSVTVTPSSSLGTQTYICNVNHRKPSNTKVDKVEPKSCDKHTCTPCPAPELLGG 120

Db 61 GLYSLSSVVTVPSSSLGTQYICNVNHPKSNTKVDKVEPKSCDKHTTCCPCPAPELLGG 120
QY 121 PSVFLPPPKKDTLMISRTPEVTCVVDVSHEDPEVKFNMYVDGEVHNATKTKPREEOYN 180
Db 121 PSVFLPPPKKDTLMISRTPEVTCVVDVSHEDPEVKFNMYVDGEVHNATKTKPREEOYN 180
QY 181 STYRVSVLTVLHODMNGKEKCKVSNKALPAPIEKTISKAKQPREPOVYTLPPSRDE 240
Db 181 STYRVSVLTVLHODMNGKEKCKVSNKALPAPIEKTISKAKQPREPOVYTLPPSRDE 240
QY 241 LTRKQVSLTCLVKGFPYSDIAVWESNGOPENNYKTTTPVLDSDGSFFLYSKLTVDKSRW 300
Db 241 LTRKQVSLTCLVKGFPYSDIAVWESNGOPENNYKTTTPVLDSDGSFFLYSKLTVDKSRW 300
QY 301 QCGNVFSCSVMEALHNHYTOKSLSLSPGK 330
Db 301 QCGNVFSCSVMEALHNHYTOKSLSLSPGK 330

RESULT 5
US-10-310-719-8
Sequence 8, Application US/10310719
Publication No. US20030166163A1
GENERAL INFORMATION:
APPLICANT: Gillies, Stephen
TITLE OF INVENTION: Immunocytokines With Modulated Selectivity
FILE REFERENCE: LEX-020
CURRENT APPLICATION NUMBER: US/10/310,719
PRIOR FILING DATE: 2002-12-04
PRIOR APPLICATION NUMBER: 60/337,113
PRIOR FILING DATE: 2001-12-04
PRIOR APPLICATION NUMBER: 60/371,966
NUMBER OF SEQ ID NOS: 37
SOFTWARE: PatentIn version 3.1
SEQ ID NO 8
LENGTH: 330
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc
LOCATION: (1)..(330)
OTHER INFORMATION: IgG1 constant region
US-10-310-719-8

Query Match 100.0%; Score 1767; DB 4; Length 330;
Best Local Similarity 100.0%; Pctd. No. 1e-128;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTKGPSVFPPLAPSSKSTSGGTALGCLVNDYFPEPYTVSNVSGALTSVHTFPAYLOSS 60
Db 1 ASTKGPSVFPPLAPSSKSTSGGTALGCLVNDYFPEPYTVSNVSGALTSVHTFPAYLOSS 60
QY 61 GLYSLSSVVTVPSSSLGTQYICNVNHPKSNTKVDKVEPKSCDKHTTCCPCPAPELLGG 120
Db 61 GLYSLSSVVTVPSSSLGTQYICNVNHPKSNTKVDKVEPKSCDKHTTCCPCPAPELLGG 120
QY 121 PSVFLPPPKKDTLMISRTPEVTCVVDVSHEDPEVKFNMYVDGEVHNATKTKPREEOYN 180
Db 121 PSVFLPPPKKDTLMISRTPEVTCVVDVSHEDPEVKFNMYVDGEVHNATKTKPREEOYN 180
QY 181 STYRVSVLTVLHODMNGKEKCKVSNKALPAPIEKTISKAKQPREPOVYTLPPSRDE 240
Db 181 STYRVSVLTVLHODMNGKEKCKVSNKALPAPIEKTISKAKQPREPOVYTLPPSRDE 240
QY 241 LTRKQVSLTCLVKGFPYSDIAVWESNGOPENNYKTTTPVLDSDGSFFLYSKLTVDKSRW 300
Db 241 LTRKQVSLTCLVKGFPYSDIAVWESNGOPENNYKTTTPVLDSDGSFFLYSKLTVDKSRW 300
QY 301 QCGNVFSCSVMEALHNHYTOKSLSLSPGK 330
Db 301 QCGNVFSCSVMEALHNHYTOKSLSLSPGK 330

RESULT 6
US-10-112-582-1
Sequence 1, Application US/10112582
Publication No. US20030166877A1
GENERAL INFORMATION:
APPLICANT: Gillies, Stephen
TITLE OF INVENTION: Reducing the Immunogenicity of Fusion Proteins
FILE REFERENCE: LEX-017
CURRENT APPLICATION NUMBER: US/10/112,582
PRIOR FILING DATE: 2002-03-29
PRIOR APPLICATION NUMBER: US 60/280,625
NUMBER OF SEQ ID NOS: 59
SOFTWARE: PatentIn version 3.0
SEQ ID NO 1
LENGTH: 330
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: human Ig gamma heavy chain C region
US-10-112-582-1

Query Match 100.0%; Score 1767; DB 4; Length 330;
Best Local Similarity 100.0%; Pctd. No. 1e-128;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTKGPSVFPPLAPSSKSTSGGTALGCLVNDYFPEPYTVSNVSGALTSVHTFPAYLOSS 60
Db 1 ASTKGPSVFPPLAPSSKSTSGGTALGCLVNDYFPEPYTVSNVSGALTSVHTFPAYLOSS 60
QY 61 GLYSLSSVVTVPSSSLGTQYICNVNHPKSNTKVDKVEPKSCDKHTTCCPCPAPELLGG 120
Db 61 GLYSLSSVVTVPSSSLGTQYICNVNHPKSNTKVDKVEPKSCDKHTTCCPCPAPELLGG 120
QY 121 PSVFLPPPKKDTLMISRTPEVTCVVDVSHEDPEVKFNMYVDGEVHNATKTKPREEOYN 180
Db 121 PSVFLPPPKKDTLMISRTPEVTCVVDVSHEDPEVKFNMYVDGEVHNATKTKPREEOYN 180
QY 181 STYRVSVLTVLHODMNGKEKCKVSNKALPAPIEKTISKAKQPREPOVYTLPPSRDE 240
Db 181 STYRVSVLTVLHODMNGKEKCKVSNKALPAPIEKTISKAKQPREPOVYTLPPSRDE 240
QY 241 LTRKQVSLTCLVKGFPYSDIAVWESNGOPENNYKTTTPVLDSDGSFFLYSKLTVDKSRW 300
Db 241 LTRKQVSLTCLVKGFPYSDIAVWESNGOPENNYKTTTPVLDSDGSFFLYSKLTVDKSRW 300
QY 301 QCGNVFSCSVMEALHNHYTOKSLSLSPGK 330
Db 301 QCGNVFSCSVMEALHNHYTOKSLSLSPGK 330

RESULT 7
US-10-320-231A-81
Sequence 81, Application US/10320231A
Publication No. US20030194405A1
GENERAL INFORMATION:
APPLICANT: Neben, Steven
APPLICANT: Takeuchi, Toshiniko
APPLICANT: Tomkins, Adrian
TITLE OF INVENTION: Antibody Inhibiting Stem Cell Factor Activity And Use For
FILE REFERENCE: 7430-163
CURRENT APPLICATION NUMBER: US/10/320,231A
PRIOR FILING DATE: 2002-12-19
PRIOR APPLICATION NUMBER: US 60/342,174
NUMBER OF SEQ ID NOS: 85
SOFTWARE: PatentIn version 3.2
SEQ ID NO 81
LENGTH: 330
TYPE: PRT

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; ORGANISM: Homo sapiens
US-10-320-231A-81

Query Match      100.0%; Score 1767; DB 4; Length 330;
Best Local Similarity 100.0%; Pred. No. 1e-128;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTKGPSVFPLAPSSKSTGSGTAALGCLVNDYFPEPVTVSWNSGALTSGVHTFPAVLQSS 60
    |||
DB 1 ASTKGPSVFPLAPSSKSTGSGTAALGCLVNDYFPEPVTVSWNSGALTSGVHTFPAVLQSS 60

QY 61 GLYSLSVVTVPPSSSGTQTYICNVNHPKSNTRYDKKVEPKSCDKHTTCCPCAPPELLGG 120
    |||
DB 61 GLYSLSVVTVPPSSSGTQTYICNVNHPKSNTRYDKKVEPKSCDKHTTCCPCAPPELLGG 120

QY 121 PSVFLPFPKPKDITLMSRTPEVTCVVVDVSHEDPEVKFNNYVDDGEVHNAAKTREBOYN 180
    |||
DB 121 PSVFLPFPKPKDITLMSRTPEVTCVVVDVSHEDPEVKFNNYVDDGEVHNAAKTREBOYN 180

QY 181 STYRVVSVLTVHLQDMLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
    |||
DB 181 STYRVVSVLTVHLQDMLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240

QY 241 LITKNQVSLTCLVKGFPYSDIAVEMESNGOPENNYKTTTPVLDSDGSFFLYSKLTVDKSRW 300
    |||
DB 241 LITKNQVSLTCLVKGFPYSDIAVEMESNGOPENNYKTTTPVLDSDGSFFLYSKLTVDKSRW 300

QY 301 QQGNVFCSCVMHEALHNHYTQKSLSLSPGK 330
    |||
DB 301 QQGNVFCSCVMHEALHNHYTQKSLSLSPGK 330

RESULT 8
US-10-383-902A-6
; Sequence 6, Application US/10383902A
; Publication No. US2003022408A1
; GENERAL INFORMATION:
; APPLICANT: Hoogenboom, Henricus Renerus Jacobus Mattheus
; APPLICANT: Mulberg, Jurgien
; APPLICANT: Ladner, Robert C.
; TITLE OF INVENTION: LIGAND SCREENING AND DISCOVERY
; FILE REFERENCE: 10280-042001
; CURRENT APPLICATION NUMBER: US/10/383, 902A
; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: US 60/362, 403
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 330
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetically generated plaemid sequence
US-10-383-902A-6

Query Match      100.0%; Score 1767; DB 4; Length 330;
Best Local Similarity 100.0%; Pred. No. 1e-128;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DB 181 STYRVVSVLTVHLQDMLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
    |||
QY 241 LITKNQVSLTCLVKGFPYSDIAVEMESNGOPENNYKTTTPVLDSDGSFFLYSKLTVDKSRW 300
    |||
DB 241 LITKNQVSLTCLVKGFPYSDIAVEMESNGOPENNYKTTTPVLDSDGSFFLYSKLTVDKSRW 300

QY 301 QQGNVFCSCVMHEALHNHYTQKSLSLSPGK 330
    |||
DB 301 QQGNVFCSCVMHEALHNHYTQKSLSLSPGK 330

RESULT 9
US-10-408-901-2
; Sequence 2, Application US/10408901
; Publication No. US2004002331A1
; GENERAL INFORMATION:
; APPLICANT: Boyle, William
; APPLICANT: Huang, Hailun
; APPLICANT: Elliot, Robin
; APPLICANT: Sullivan, John
; APPLICANT: Medlock, Eugene
; APPLICANT: Martin, Francis
; TITLE OF INVENTION: Human Anti-OPGL Neutralizing Antibodies As Selective OPGL Pathwa
; FILE REFERENCE: MBHB 01-1145-A
; CURRENT APPLICATION NUMBER: US/10/408,901
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 76
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 330
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-408-901-2

Query Match      100.0%; Score 1767; DB 4; Length 330;
Best Local Similarity 100.0%; Pred. No. 1e-128;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTKGPSVFPLAPSSKSTGSGTAALGCLVNDYFPEPVTVSWNSGALTSGVHTFPAVLQSS 60
    |||
DB 1 ASTKGPSVFPLAPSSKSTGSGTAALGCLVNDYFPEPVTVSWNSGALTSGVHTFPAVLQSS 60

QY 61 GLYSLSVVTVPPSSSGTQTYICNVNHPKSNTRYDKKVEPKSCDKHTTCCPCAPPELLGG 120
    |||
DB 61 GLYSLSVVTVPPSSSGTQTYICNVNHPKSNTRYDKKVEPKSCDKHTTCCPCAPPELLGG 120

QY 121 PSVFLPFPKPKDITLMSRTPEVTCVVVDVSHEDPEVKFNNYVDDGEVHNAAKTREBOYN 180
    |||
DB 121 PSVFLPFPKPKDITLMSRTPEVTCVVVDVSHEDPEVKFNNYVDDGEVHNAAKTREBOYN 180

QY 181 STYRVVSVLTVHLQDMLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
    |||
DB 181 STYRVVSVLTVHLQDMLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240

QY 241 LITKNQVSLTCLVKGFPYSDIAVEMESNGOPENNYKTTTPVLDSDGSFFLYSKLTVDKSRW 300
    |||
DB 241 LITKNQVSLTCLVKGFPYSDIAVEMESNGOPENNYKTTTPVLDSDGSFFLYSKLTVDKSRW 300

QY 301 QQGNVFCSCVMHEALHNHYTQKSLSLSPGK 330
    |||
DB 301 QQGNVFCSCVMHEALHNHYTQKSLSLSPGK 330

RESULT 10
US-10-420-034A-15
; Sequence 15, Application US/10420034A
; Publication No. US20040029228A1
; GENERAL INFORMATION:
; APPLICANT: Presnell, Scott R.
; APPLICANT: Xu, Wenfeng
; APPLICANT: No. US20040029228A1ak, Julia E.
```

APPLICANT: Whitmore, Theodore E.
APPLICANT: Grant, Francis J.
APPLICANT: Kindvogel, Wayne R.
APPLICANT: Klucher, Kevin M.
TITLE OF INVENTION: CYTOKINE RECEPTOR
FILE REFERENCE: 02-10
CURRENT APPLICATION NUMBER: US/10/420, 034A
CURRENT FILING DATE: 2003-04-18
PRIOR APPLICATION NUMBER: 60/373, 813
PRIOR FILING DATE: 2002-04-19
NUMBER OF SEQ ID NOS: 69
SOFTWARE: PaeseQ for Windows Version 4.0
SEQ ID NO 15
LENGTH: 330
TYPE: PRT
ORGANISM: Homo sapiens
US-10-420-034A-15

Query Match 100.0%; Score 1767; DB 4; Length 330;
Best Local Similarity 100.0%; Pred. No. 1e-128;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTGSPVFPPLAPSSKSTSGTALGCLVKDYFPEPTVWSNKGALTSVHTFPAYLQSS 60
DB 1 ASTGSPVFPPLAPSSKSTSGTALGCLVKDYFPEPTVWSNKGALTSVHTFPAYLQSS 60
QY 61 GLYSLSVTVVPSSSLGTQTYICNVNHPKSTKVDKVEPKSCDKHTCPPCPAPELLGG 120
DB 61 GLYSLSVTVVPSSSLGTQTYICNVNHPKSTKVDKVEPKSCDKHTCPPCPAPELLGG 120
QY 121 PSVFLPPPKDPTLMISRTPEVTCVVVDVSHEDPEVKFNNYVDDVEVHNATKTPREQYN 180
DB 121 PSVFLPPPKDPTLMISRTPEVTCVVVDVSHEDPEVKFNNYVDDVEVHNATKTPREQYN 180
QY 181 STYRVSVLTIVLHODMNLNGEKYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDE 240
DB 181 STYRVSVLTIVLHODMNLNGEKYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDE 240
QY 241 LTRKQVSLTCLVKGFPYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRW 300
DB 241 LTRKQVSLTCLVKGFPYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRW 300
QY 301 QQGNVFCSVMEALHNHYTQKSLSLSPGK 330
DB 301 QQGNVFCSVMEALHNHYTQKSLSLSPGK 330

RESULT 11
US-10-257-907-5
Sequence 5, Application US/10257907
Publication No. US20040043022A1
GENERAL INFORMATION:
APPLICANT: Heuer, Josef
APPLICANT: Liu, Jinqi
APPLICANT: Na, Songling
APPLICANT: Song, Ho Yeong
APPLICANT: Yang, Derek D
TITLE OF INVENTION: TREATING T-CELL MEDIATED DISEASES BY MODULATING DR6 ACTIVITY
FILE REFERENCE: X-13992
CURRENT APPLICATION NUMBER: US/10/257, 907
CURRENT FILING DATE: 2002-10-16
NUMBER OF SEQ ID NOS: 5
SOFTWARE: Patentin version 3.0
SEQ ID NO 5
LENGTH: 330
TYPE: PRT
ORGANISM: Homo sapiens
US-10-257-907-5

Query Match 100.0%; Score 1767; DB 4; Length 330;
Best Local Similarity 100.0%; Pred. No. 1e-128;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTGSPVFPPLAPSSKSTSGTALGCLVKDYFPEPTVWSNKGALTSVHTFPAYLQSS 60
DB 1 ASTGSPVFPPLAPSSKSTSGTALGCLVKDYFPEPTVWSNKGALTSVHTFPAYLQSS 60
QY 61 GLYSLSVTVVPSSSLGTQTYICNVNHPKSTKVDKVEPKSCDKHTCPPCPAPELLGG 120
DB 61 GLYSLSVTVVPSSSLGTQTYICNVNHPKSTKVDKVEPKSCDKHTCPPCPAPELLGG 120
QY 121 PSVFLPPPKDPTLMISRTPEVTCVVVDVSHEDPEVKFNNYVDDVEVHNATKTPREQYN 180
DB 121 PSVFLPPPKDPTLMISRTPEVTCVVVDVSHEDPEVKFNNYVDDVEVHNATKTPREQYN 180
QY 181 STYRVSVLTIVLHODMNLNGEKYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDE 240
DB 181 STYRVSVLTIVLHODMNLNGEKYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDE 240
QY 241 LTRKQVSLTCLVKGFPYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRW 300
DB 241 LTRKQVSLTCLVKGFPYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRW 300
QY 301 QQGNVFCSVMEALHNHYTQKSLSLSPGK 330
DB 301 QQGNVFCSVMEALHNHYTQKSLSLSPGK 330

RESULT 12
US-10-656-769-2
Sequence 2, Application US/10656769
Publication No. US2004009712A1
GENERAL INFORMATION:
APPLICANT: Varnum, Brian
APPLICANT: Wille, Alison
APPLICANT: Wong, Chris
APPLICANT: Wong, Lu Min
APPLICANT: Qian, Xueming
TITLE OF INVENTION: Therapeutic Human Anti-IL-1R Monoclonal Antibody
FILE REFERENCE: 01,1554
CURRENT APPLICATION NUMBER: US/10/656, 769
CURRENT FILING DATE: 2003-09-05
NUMBER OF SEQ ID NOS: 79
SOFTWARE: Patentin version 3.0
SEQ ID NO 2
LENGTH: 330
TYPE: PRT
ORGANISM: Homo sapiens
US-10-656-769-2

Query Match 100.0%; Score 1767; DB 4; Length 330;
Best Local Similarity 100.0%; Pred. No. 1e-128;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTGSPVFPPLAPSSKSTSGTALGCLVKDYFPEPTVWSNKGALTSVHTFPAYLQSS 60
DB 1 ASTGSPVFPPLAPSSKSTSGTALGCLVKDYFPEPTVWSNKGALTSVHTFPAYLQSS 60
QY 61 GLYSLSVTVVPSSSLGTQTYICNVNHPKSTKVDKVEPKSCDKHTCPPCPAPELLGG 120
DB 61 GLYSLSVTVVPSSSLGTQTYICNVNHPKSTKVDKVEPKSCDKHTCPPCPAPELLGG 120
QY 121 PSVFLPPPKDPTLMISRTPEVTCVVVDVSHEDPEVKFNNYVDDVEVHNATKTPREQYN 180
DB 121 PSVFLPPPKDPTLMISRTPEVTCVVVDVSHEDPEVKFNNYVDDVEVHNATKTPREQYN 180
QY 181 STYRVSVLTIVLHODMNLNGEKYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDE 240
DB 181 STYRVSVLTIVLHODMNLNGEKYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDE 240
QY 241 LTRKQVSLTCLVKGFPYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRW 300
DB 241 LTRKQVSLTCLVKGFPYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRW 300
QY 301 QQGNVFCSVMEALHNHYTQKSLSLSPGK 330
DB 301 QQGNVFCSVMEALHNHYTQKSLSLSPGK 330

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Db      301 OOGNVFSCSYMHAEALHNHYTKSLSPGK 330

RESULT 13
US-10-772-531-38
; Sequence 38, Application US/10772531
; Publication No. US2004014242A1
; GENERAL INFORMATION:
; APPLICANT: Sprecher, Cindy A.
; APPLICANT: Bresnell, Scott R.
; APPLICANT: Gao, Zeren
; APPLICANT: Whitmore, Theodore E.
; APPLICANT: Kujiper, Joseph L.
; APPLICANT: Maurer, Mark F.
; TITLE OF INVENTION: CYTOKINE RECEPTOR ZCYTOR17
; FILE REFERENCE: 00-42
; CURRENT APPLICATION NUMBER: US/10/772,531
; CURRENT FILING DATE: 2004-02-05
; PRIOR APPLICATION NUMBER: US/09/892,949
; PRIOR FILING DATE: 2001-06-26
; PRIOR APPLICATION NUMBER: US 60/214,282
; PRIOR FILING DATE: 2000-06-26
; PRIOR APPLICATION NUMBER: US 60/214,955
; PRIOR FILING DATE: 2000-06-29
; PRIOR APPLICATION NUMBER: US 60/267,963
; PRIOR FILING DATE: 2001-08-02
; NUMBER OF SEQ ID NOS: 93
; SOFTWARE: FaestSeq for Windows Version 3.0
; SEQ ID NO 38
; LENGTH: 330
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-772-531-38

Query Match      100.0%; Score 1767; DB 4; Length 330;
Best Local Similarity 100.0%; Pred. No. 1e-128;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  ASTKGPSVFPLAAPSSTSGTAAAGCLVDFPEPEVTVMNSGALTSGVHTFPAYLQSS 60
      |||
Db      1  ASTKGPSVFPLAAPSSTSGTAAAGCLVDFPEPEVTVMNSGALTSGVHTFPAYLQSS 60

QY      61  GLYSLSVVTVTPSSSLGTQTYICNVNHPKSNTRKVDKVEPKSCDKHTHCPCPAPELLGG 120
      |||
Db      61  GLYSLSVVTVTPSSSLGTQTYICNVNHPKSNTRKVDKVEPKSCDKHTHCPCPAPELLGG 120

QY      121  PSVFLFPPPKKDTLMTSRTPETVCVVVDVSHEDPEVKFNNYVGVGVNNAKTKPREEQYN 180
      |||
Db      121  PSVFLFPPPKKDTLMTSRTPETVCVVVDVSHEDPEVKFNNYVGVGVNNAKTKPREEQYN 180

QY      181  STYRVVSVLTVLHODMLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
      |||
Db      181  STYRVVSVLTVLHODMLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240

QY      241  LTRNQVSLTCLVKGFPYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRW 300
      |||
Db      241  LTRNQVSLTCLVKGFPYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRW 300

QY      301  OOGNVFSCSYMHAEALHNHYTKSLSPGK 330
      |||
Db      301  OOGNVFSCSYMHAEALHNHYTKSLSPGK 330

RESULT 14
US-10-479-326-1
; Sequence 1, Application US/10479326
; Publication No. US20040198961A1
; GENERAL INFORMATION:
; APPLICANT: Tanox, INC.
; APPLICANT: AN, Ling-Ling
; APPLICANT: Wu, Herren
; APPLICANT: Fung, Michael
; TITLE OF INVENTION: Fce Fusion Proteins for Treatment of Allergy and Asthma

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; FILE REFERENCE: TNX01-02PCT
; CURRENT APPLICATION NUMBER: US/10/479,326
; CURRENT FILING DATE: 2003-12-02
; PRIOR APPLICATION NUMBER: US60/298,710
; PRIOR FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1
; LENGTH: 330
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(330)
US-10-479-326-1

Query Match      100.0%; Score 1767; DB 4; Length 330;
Best Local Similarity 100.0%; Pred. No. 1e-128;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  ASTKGPSVFPLAAPSSTSGTAAAGCLVDFPEPEVTVMNSGALTSGVHTFPAYLQSS 60
      |||
Db      1  ASTKGPSVFPLAAPSSTSGTAAAGCLVDFPEPEVTVMNSGALTSGVHTFPAYLQSS 60

QY      61  GLYSLSVVTVTPSSSLGTQTYICNVNHPKSNTRKVDKVEPKSCDKHTHCPCPAPELLGG 120
      |||
Db      61  GLYSLSVVTVTPSSSLGTQTYICNVNHPKSNTRKVDKVEPKSCDKHTHCPCPAPELLGG 120

QY      121  PSVFLFPPPKKDTLMTSRTPETVCVVVDVSHEDPEVKFNNYVGVGVNNAKTKPREEQYN 180
      |||
Db      121  PSVFLFPPPKKDTLMTSRTPETVCVVVDVSHEDPEVKFNNYVGVGVNNAKTKPREEQYN 180

QY      181  STYRVVSVLTVLHODMLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
      |||
Db      181  STYRVVSVLTVLHODMLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240

QY      241  LTRNQVSLTCLVKGFPYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRW 300
      |||
Db      241  LTRNQVSLTCLVKGFPYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRW 300

QY      301  OOGNVFSCSYMHAEALHNHYTKSLSPGK 330
      |||
Db      301  OOGNVFSCSYMHAEALHNHYTKSLSPGK 330

RESULT 15
US-10-815-449-8
; Sequence 8, Application US/10815449
; Publication No. US20040228859A1
; GENERAL INFORMATION:
; APPLICANT: GRAUS, Yvo
; APPLICANT: KOPEZKI, Erhard
; APPLICANT: KUENKELE, Klaus-Peter
; APPLICANT: WONDIGL, Olaf
; APPLICANT: PAREN, Paul
; APPLICANT: REERS, Frank
; APPLICANT: SCHUMACHER, Ralf
; APPLICANT: Van de WINKEL, Jan
; APPLICANT: Van VUGT, Martine
; TITLE OF INVENTION: Antibodies against insulin-like growth factor I receptor and use thereof
; FILE REFERENCE: 21655 US2
; CURRENT APPLICATION NUMBER: US/10/815,449
; CURRENT FILING DATE: 2004-04-01
; PRIOR APPLICATION NUMBER: US 60/459,837
; PRIOR FILING DATE: 2003-04-02
; PRIOR APPLICATION NUMBER: US 60/463,003
; PRIOR FILING DATE: 2003-04-15
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 8
; LENGTH: 330
; TYPE: PRT

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; ORGANISM: Homo sapiens
US-10-815-449-8

Query Match 100.0%; Score 1767; DB 5; Length 330;
Best Local Similarity 100.0%; Pred. No. 1e-128;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 1 ASTKGPSVFPPLAPSSKSTSGGTALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSS 60
    |||
Db 1 ASTKGPSVFPPLAPSSKSTSGGTALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSS 60
Qy 61 GLYSLSSTVTVTPSSSLGTQTYICNNHAKPSNTKVDKVEPKSCDKHTHTCPCPAPPELLGG 120
    |||
Db 61 GLYSLSSTVTVTPSSSLGTQTYICNNHAKPSNTKVDKVEPKSCDKHTHTCPCPAPPELLGG 120
Qy 121 PSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYN 180
    |||
Db 121 PSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYN 180
Qy 181 STYRVSVLTVLHODMLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDE 240
    |||
Db 181 STYRVSVLTVLHODMLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDE 240
Qy 241 LTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRW 300
    |||
Db 241 LTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRW 300
Qy 301 QQGNVFSCSVMHEALHNNHYYTQKSLSPRK 330
    |||
Db 301 QQGNVFSCSVMHEALHNNHYYTQKSLSPRK 330
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Search completed: June 28, 2006, 18:13:09
Job time : 148.036 secs

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Db 241 LTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTPPVLDSDGSFFLYSKLTIVDKSRW 300
QY 301 QOQNVFSCSVMEALHNHYTOKSLSLSPGK 330
Db 301 QOQNVFSCSVMEALHNHYTOKSLSLSPGK 330

RESULT 2

US-11-174-287-1
; Sequence 1, Application US/11174287
; Publication No. US20060121032A1
; GENERAL INFORMATION:
; APPLICANT: Dahiya, Basail I.
; APPLICANT: Lazar, Gregory Alan
; APPLICANT: Vafa, Omid
; TITLE OF INVENTION: OPTIMIZED ANTI-CD20 MONOCLONAL ANTIBODIES HAVING FC VARIANTS
; FILE REFERENCE: A-71386-10
; CURRENT APPLICATION NUMBER: US/11/174,287
; PRIOR FILING DATE: 2005-06-30
; PRIOR APPLICATION NUMBER: US 11/124,620
; PRIOR FILING DATE: 2005-05-05
; PRIOR APPLICATION NUMBER: US 60/676,984
; PRIOR FILING DATE: 2005-05-02
; PRIOR APPLICATION NUMBER: US 60/602,587
; PRIOR FILING DATE: 2004-08-17
; PRIOR APPLICATION NUMBER: US 60/586,860
; PRIOR FILING DATE: 2004-07-09
; PRIOR APPLICATION NUMBER: US 60/568,440
; PRIOR FILING DATE: 2004-07-15
; PRIOR APPLICATION NUMBER: US 60/589,906
; PRIOR FILING DATE: 2004-07-20
; PRIOR APPLICATION NUMBER: US 60/627,026
; PRIOR FILING DATE: 2004-11-09
; PRIOR APPLICATION NUMBER: US 60/626,991
; PRIOR FILING DATE: 2004-11-10
; PRIOR APPLICATION NUMBER: US 60/627,774
; PRIOR FILING DATE: 2004-11-12
; PRIOR APPLICATION NUMBER: US 10/822,231
; PRIOR FILING DATE: 2004-03-26
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1
; LENGTH: 330
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-174-287-1

Query Match 100.0%; Score 1767; DB 7; Length 330;
Best Local Similarity 100.0%; Pred. No. 4,6e-131;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTKGSVFPFLAPSSKSTSGTALGCLVVDYPPPEPTVSMNSGALTSVHTPPAVLQSS 60
Db 1 ASTKGSVFPFLAPSSKSTSGTALGCLVVDYPPPEPTVSMNSGALTSVHTPPAVLQSS 60
QY 61 GLYSLSVTVTPSSSLGTQTYICNVNHPKPSNTKVDKVEPKSCDKHTCTPCPAPELLGG 120
Db 61 GLYSLSVTVTPSSSLGTQTYICNVNHPKPSNTKVDKVEPKSCDKHTCTPCPAPELLGG 120
QY 121 PSVFLPPPKKDTLMTSRTPETVCVVVDVSHEDPEVKFNNYVDSGEVHNAAKTKPREQYN 180
Db 121 PSVFLPPPKKDTLMTSRTPETVCVVVDVSHEDPEVKFNNYVDSGEVHNAAKTKPREQYN 180
QY 181 STRRVSVTLVTHQDMLNGKEYCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
Db 181 STRRVSVTLVTHQDMLNGKEYCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
QY 241 LTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTPPVLDSDGSFFLYSKLTIVDKSRW 300
Db 241 LTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTPPVLDSDGSFFLYSKLTIVDKSRW 300

QY 301 QOQNVFSCSVMEALHNHYTOKSLSLSPGK 330
Db 301 QOQNVFSCSVMEALHNHYTOKSLSLSPGK 330

RESULT 3

US-11-256-060-10
; Sequence 10, Application US/11256060
; Publication No. US20060134105A1
; GENERAL INFORMATION:
; APPLICANT: Lazar, Gregory Alan
; APPLICANT: Dahiya, Basail I.
; APPLICANT: Dang, Wei
; APPLICANT: Karki, Sher Bahadur
; APPLICANT: Vafa, Omid
; TITLE OF INVENTION: IGG IMMUNOGLOBULIN VARIANTS WITH OPTIMIZED EFFECTOR FUNCTION
; FILE REFERENCE: 186973/US/6/RMS/77M
; CURRENT APPLICATION NUMBER: US/11/256,060
; PRIOR FILING DATE: 2005-10-21
; PRIOR APPLICATION NUMBER: US 60/621,387
; PRIOR FILING DATE: 2004-10-21
; PRIOR APPLICATION NUMBER: US 60/629,068
; PRIOR FILING DATE: 2004-11-18
; PRIOR APPLICATION NUMBER: US 60/652,968
; PRIOR FILING DATE: 2005-02-14
; PRIOR APPLICATION NUMBER: US 60/659,004
; PRIOR FILING DATE: 2005-03-03
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 10
; LENGTH: 330
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-256-060-10

Query Match 100.0%; Score 1767; DB 7; Length 330;
Best Local Similarity 100.0%; Pred. No. 4,6e-131;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTKGSVFPFLAPSSKSTSGTALGCLVVDYPPPEPTVSMNSGALTSVHTPPAVLQSS 60
Db 1 ASTKGSVFPFLAPSSKSTSGTALGCLVVDYPPPEPTVSMNSGALTSVHTPPAVLQSS 60
QY 61 GLYSLSVTVTPSSSLGTQTYICNVNHPKPSNTKVDKVEPKSCDKHTCTPCPAPELLGG 120
Db 61 GLYSLSVTVTPSSSLGTQTYICNVNHPKPSNTKVDKVEPKSCDKHTCTPCPAPELLGG 120
QY 121 PSVFLPPPKKDTLMTSRTPETVCVVVDVSHEDPEVKFNNYVDSGEVHNAAKTKPREQYN 180
Db 121 PSVFLPPPKKDTLMTSRTPETVCVVVDVSHEDPEVKFNNYVDSGEVHNAAKTKPREQYN 180
QY 181 STRRVSVTLVTHQDMLNGKEYCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
Db 181 STRRVSVTLVTHQDMLNGKEYCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
QY 241 LTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTPPVLDSDGSFFLYSKLTIVDKSRW 300
Db 241 LTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTPPVLDSDGSFFLYSKLTIVDKSRW 300
QY 301 QOQNVFSCSVMEALHNHYTOKSLSLSPGK 330
Db 301 QOQNVFSCSVMEALHNHYTOKSLSLSPGK 330

RESULT 4

US-11-197-665-34
; Sequence 34, Application US/11197665
; Publication No. US20060127393A1
; GENERAL INFORMATION:
; APPLICANT: Li, Ji
; APPLICANT: Lu, Hsieng Sen
; APPLICANT: Shen, Wenyan
; APPLICANT: Richards, William

1 TITLE OF INVENTION: ANTIBODIES TO DKK-1
2 FILE REFERENCE: A-941
3 CURRENT APPLICATION NUMBER: US/11/197,665
4 CURRENT FILING DATE: 2005-08-04
5 PRIOR APPLICATION NUMBER: US 60/598,791
6 PRIOR FILING DATE: 2004-08-04
7 NUMBER OF SEQ ID NOS: 94
8 SOFTWARE: PatentIn version 3.3
9 SEQ ID NO 34
10 LENGTH: 450
11 TYPE: PR1
12 ORGANISM: Artificial Sequence
13 FEATURE:
14 OTHER INFORMATION: Synthetic Construct
15 US-11-197-665-34

Query Match 100.0%; Score 1767; DB 7; Length 450;
Best Local Similarity 100.0%; Pred. No. 6,8e-131;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTGSPVFLPAPSSTSGGTAALGCLVKDYFPEPVTVSNVSGALTSGLVHTFPAYVLOS 60
DB 121 ASTGSPVFLPAPSSTSGGTAALGCLVKDYFPEPVTVSNVSGALTSGLVHTFPAYVLOS 180
QY 61 GLYSLSSVTVTPSSSLGTQTYICNVNHPKSTTKVDKVEPKSCDKHTCCPCPAPELLGG 120
DB 181 GLYSLSSVTVTPSSSLGTQTYICNVNHPKSTTKVDKVEPKSCDKHTCCPCPAPELLGG 240
QY 121 PSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNWYVDGVEHNATKPREEQYN 180
DB 241 PSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNWYVDGVEHNATKPREEQYN 300
QY 181 STYRVSVLTFLHODMNLGKEYCKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
DB 301 STYRVSVLTFLHODMNLGKEYCKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 360
QY 241 LTRKQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRW 300
DB 361 LTRKQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRW 420
QY 301 QQGNVFSCSVNHEALHNHYTQKSLSLSPGK 330
DB 421 QQGNVFSCSVNHEALHNHYTQKSLSLSPGK 450

RESULT 5
US-11-197-665-38
1 Sequence 38, Application US/11197665
2 Publication No. US20060127393A1
3 GENERAL INFORMATION:
4 APPLICANT: LI, JI
5 APPLICANT: LI, Helieng Sen
6 APPLICANT: SHEN, Wenyuan
7 APPLICANT: RICHARDS, William
8 TITLE OF INVENTION: ANTIBODIES TO DKK-1
9 FILE REFERENCE: A-941
10 CURRENT APPLICATION NUMBER: US/11/197,665
11 PRIOR FILING DATE: 2005-08-04
12 PRIOR APPLICATION NUMBER: US 60/598,791
13 NUMBER OF SEQ ID NOS: 94
14 SOFTWARE: PatentIn version 3.3
15 SEQ ID NO 38
16 LENGTH: 450
17 TYPE: PR1
18 ORGANISM: Artificial Sequence
19 FEATURE:
20 OTHER INFORMATION: Synthetic Construct
21 US-11-197-665-38

Query Match 100.0%; Score 1767; DB 7; Length 450;
Best Local Similarity 100.0%; Pred. No. 6,8e-131;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTGSPVFLPAPSSTSGGTAALGCLVKDYFPEPVTVSNVSGALTSGLVHTFPAYVLOS 60
DB 121 ASTGSPVFLPAPSSTSGGTAALGCLVKDYFPEPVTVSNVSGALTSGLVHTFPAYVLOS 180
QY 61 GLYSLSSVTVTPSSSLGTQTYICNVNHPKSTTKVDKVEPKSCDKHTCCPCPAPELLGG 120
DB 181 GLYSLSSVTVTPSSSLGTQTYICNVNHPKSTTKVDKVEPKSCDKHTCCPCPAPELLGG 240
QY 121 PSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNWYVDGVEHNATKPREEQYN 180
DB 241 PSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNWYVDGVEHNATKPREEQYN 300
QY 181 STYRVSVLTFLHODMNLGKEYCKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
DB 301 STYRVSVLTFLHODMNLGKEYCKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 360
QY 241 LTRKQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRW 300
DB 361 LTRKQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRW 420
QY 301 QQGNVFSCSVNHEALHNHYTQKSLSLSPGK 330
DB 421 QQGNVFSCSVNHEALHNHYTQKSLSLSPGK 450

RESULT 6
US-11-254-182-44
1 Sequence 44, Application US/11254182
2 Publication No. US20060088523A1
3 GENERAL INFORMATION:
4 APPLICANT: ANDYA, JAMES
5 APPLICANT: GMEI, SHIANG C.
6 APPLICANT: LIU, JUN
7 APPLICANT: SHEN, YE
8 TITLE OF INVENTION: ANTIBODY FORMULATIONS
9 FILE REFERENCE: P2104R1
10 CURRENT APPLICATION NUMBER: US/11/254,182
11 PRIOR FILING DATE: 2005-10-19
12 PRIOR APPLICATION NUMBER: US 60/620,413
13 PRIOR FILING DATE: 2004-10-20
14 NUMBER OF SEQ ID NOS: 74
15 SEQ ID NO 44
16 LENGTH: 453
17 TYPE: PR1
18 ORGANISM: Artificial Sequence
19 FEATURE:
20 OTHER INFORMATION: Sequence is synthesized.
21 US-11-254-182-44

Query Match 100.0%; Score 1767; DB 7; Length 453;
Best Local Similarity 100.0%; Pred. No. 6,9e-131;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTGSPVFLPAPSSTSGGTAALGCLVKDYFPEPVTVSNVSGALTSGLVHTFPAYVLOS 60
DB 124 ASTGSPVFLPAPSSTSGGTAALGCLVKDYFPEPVTVSNVSGALTSGLVHTFPAYVLOS 183
QY 61 GLYSLSSVTVTPSSSLGTQTYICNVNHPKSTTKVDKVEPKSCDKHTCCPCPAPELLGG 120
DB 184 GLYSLSSVTVTPSSSLGTQTYICNVNHPKSTTKVDKVEPKSCDKHTCCPCPAPELLGG 243
QY 121 PSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNWYVDGVEHNATKPREEQYN 180
DB 244 PSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNWYVDGVEHNATKPREEQYN 303
QY 181 STYRVSVLTFLHODMNLGKEYCKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
DB 304 STYRVSVLTFLHODMNLGKEYCKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 363
QY 241 LTRKQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRW 300
DB 364 LTRKQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRW 423

QY 301 QCGNVFSCVMHEALHNHYTOKSLSPGK 330
Db 424 QCGNVFSCVMHEALHNHYTOKSLSPGK 453

RESULT 7
US-11-219-563-132

; Sequence 132, Application US/11219563
; Publication No. US20060086539A1
; GENERAL INFORMATION:
; APPLICANT: Bander, Neil
; TITLE OF INVENTION: MODIFIED ANTIBODIES TO PROSTATE-SPECIFIC
; TITLE OF INVENTION: MEMBRANE ANTIGEN AND USES THEREOF
; FILE REFERENCE: 13651.001 (BZL-001)
; CURRENT APPLICATION NUMBER: US/11/219,563
; PRIOR FILING DATE: 2005-09-02
; PRIOR APPLICATION NUMBER: PCT/US04/06586
; PRIOR FILING DATE: 2004-03-03
; PRIOR APPLICATION NUMBER: US 10/379,838
; PRIOR FILING DATE: 2003-03-03
; PRIOR APPLICATION NUMBER: 10/449,379
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 144
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 132
; LENGTH: 464
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Heavy chain variable and constant region of deus91
US-11-219-563-132

Query Match 100.0%; Score 1767; DB 7; Length 464;
Best Local Similarity 100.0%; Pred. No. 7,1e-131;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTKGSPVPLAPSSKSTSGTAAAGLVKDYFPEPVTVSMNSGALTSGVHTPPAVLQSS 60
Db 135 ASTKGSPVPLAPSSKSTSGTAAAGLVKDYFPEPVTVSMNSGALTSGVHTPPAVLQSS 194
QY 61 GLYSLSVVTVTPSSSLGTQTYICNVNHNKPSNTKVDKKEPKSCDKHTHCPCPAPPELLGG 120
Db 195 GLYSLSVVTVTPSSSLGTQTYICNVNHNKPSNTKVDKKEPKSCDKHTHCPCPAPPELLGG 254
QY 121 PSVFLPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKFMWYVDGVEVHNAKTKPREEOYN 180
Db 255 PSVFLPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKFMWYVDGVEVHNAKTKPREEOYN 314
QY 181 STYRVVSVLTVLHQMVLNGKEYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDE 240
Db 315 STYRVVSVLTVLHQMVLNGKEYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDE 374
QY 241 LTRKQVSLTCLVKGFPSPDIAVWESNGQPENNYKTTTPVLDSGFFLYSKLTVDKSRW 300
Db 375 LTRKQVSLTCLVKGFPSPDIAVWESNGQPENNYKTTTPVLDSGFFLYSKLTVDKSRW 434
QY 301 QCGNVFSCVMHEALHNHYTOKSLSPGK 330
Db 435 QCGNVFSCVMHEALHNHYTOKSLSPGK 464

RESULT 8
US-11-293-697-4293
; Sequence 4293, Application US/11293697
; Publication No. US20060105376A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: Novel full length cDNA
; FILE REFERENCE: H1-A0106
; CURRENT APPLICATION NUMBER: US/11/293,697
; CURRENT FILING DATE: 2005-12-05
; PRIOR APPLICATION NUMBER: US/10/108,260

; PRIOR FILING DATE: 2002-03-28
; NUMBER OF SEQ ID NOS: 5458
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4293
; LENGTH: 467
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-293-697-4293

Query Match 100.0%; Score 1767; DB 7; Length 467;
Best Local Similarity 100.0%; Pred. No. 7,1e-131;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTKGSPVPLAPSSKSTSGTAAAGLVKDYFPEPVTVSMNSGALTSGVHTPPAVLQSS 60
Db 138 ASTKGSPVPLAPSSKSTSGTAAAGLVKDYFPEPVTVSMNSGALTSGVHTPPAVLQSS 197
QY 61 GLYSLSVVTVTPSSSLGTQTYICNVNHNKPSNTKVDKKEPKSCDKHTHCPCPAPPELLGG 120
Db 198 GLYSLSVVTVTPSSSLGTQTYICNVNHNKPSNTKVDKKEPKSCDKHTHCPCPAPPELLGG 257
QY 121 PSVFLPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKFMWYVDGVEVHNAKTKPREEOYN 180
Db 258 PSVFLPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKFMWYVDGVEVHNAKTKPREEOYN 317
QY 181 STYRVVSVLTVLHQMVLNGKEYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDE 240
Db 318 STYRVVSVLTVLHQMVLNGKEYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDE 377
QY 241 LTRKQVSLTCLVKGFPSPDIAVWESNGQPENNYKTTTPVLDSGFFLYSKLTVDKSRW 300
Db 378 LTRKQVSLTCLVKGFPSPDIAVWESNGQPENNYKTTTPVLDSGFFLYSKLTVDKSRW 437
QY 301 QCGNVFSCVMHEALHNHYTOKSLSPGK 330
Db 438 QCGNVFSCVMHEALHNHYTOKSLSPGK 467

RESULT 9
US-11-293-697-4294
; Sequence 4294, Application US/11293697
; Publication No. US20060105376A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: Novel full length cDNA
; FILE REFERENCE: H1-A0106
; CURRENT APPLICATION NUMBER: US/11/293,697
; CURRENT FILING DATE: 2005-12-05
; PRIOR APPLICATION NUMBER: US/10/108,260
; PRIOR FILING DATE: 2002-03-28
; NUMBER OF SEQ ID NOS: 5458
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4294
; LENGTH: 471
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-293-697-4294

Query Match 100.0%; Score 1767; DB 7; Length 471;
Best Local Similarity 100.0%; Pred. No. 7,2e-131;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTKGSPVPLAPSSKSTSGTAAAGLVKDYFPEPVTVSMNSGALTSGVHTPPAVLQSS 60
Db 142 ASTKGSPVPLAPSSKSTSGTAAAGLVKDYFPEPVTVSMNSGALTSGVHTPPAVLQSS 201
QY 61 GLYSLSVVTVTPSSSLGTQTYICNVNHNKPSNTKVDKKEPKSCDKHTHCPCPAPPELLGG 120
Db 202 GLYSLSVVTVTPSSSLGTQTYICNVNHNKPSNTKVDKKEPKSCDKHTHCPCPAPPELLGG 261
QY 121 PSVFLPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKFMWYVDGVEVHNAKTKPREEOYN 180
Db 262 PSVFLPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKFMWYVDGVEVHNAKTKPREEOYN 321


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Db 265 PSVFLPPPKDITLMSRTPEVTCVVVDVSHEDPEVKFNNYVDSGEVNAKTKPREQYN 324
QY 181 STYRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
Db 325 STYRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 384
QY 241 LTRNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRW 300
Db 385 LTRNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRW 444
QY 301 OQGNVFCSCVMHEALHNHYTOKSLSPGK 330
Db 445 OQGNVFCSCVMHEALHNHYTOKSLSPGK 474
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RESULT 13

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US-11-293-697-4288
; Sequence 4288, Application US/11293697
; Publication No. US20060105376A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: Novel full length cDNA
; FILE REFERENCE: H1-A0106
; CURRENT APPLICATION NUMBER: US/11/293,697
; PRIOR FILING DATE: 2005-12-05
; PRIOR APPLICATION NUMBER: US/10/108,260
; NUMBER OF SEQ ID NOS: 5458
; SOFTWARE: Patentln Ver. 2.1
; SEQ ID NO 4288
; LENGTH: 476
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-293-697-4288
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```
Query Match 100.0%; Score 1767; DB 7; Length 476;
Best Local Similarity 100.0%; Pred. No. 7.3e-131;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 ASTKGSPVFPLAPSSKTSGGTALGCLVKDYRPEPTVSMNSGALTSGVHTFPAVLQSS 60
Db 147 ASTKGSPVFPLAPSSKTSGGTALGCLVKDYRPEPTVSMNSGALTSGVHTFPAVLQSS 206
QY 61 GLYSLSVVTVPSSSLGTQTYICNVNHNKPSNTKVDKVEPKSCDKHTHCPCPAPPELLGG 120
Db 207 GLYSLSVVTVPSSSLGTQTYICNVNHNKPSNTKVDKVEPKSCDKHTHCPCPAPPELLGG 266
QY 121 PSVFLPPPKDITLMSRTPEVTCVVVDVSHEDPEVKFNNYVDSGEVNAKTKPREQYN 180
Db 267 PSVFLPPPKDITLMSRTPEVTCVVVDVSHEDPEVKFNNYVDSGEVNAKTKPREQYN 326
QY 181 STYRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
Db 327 STYRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 386
QY 241 LTRNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRW 300
Db 387 LTRNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRW 446
QY 301 OQGNVFCSCVMHEALHNHYTOKSLSPGK 330
Db 447 OQGNVFCSCVMHEALHNHYTOKSLSPGK 476
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RESULT 14

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US-11-293-697-4289
; Sequence 4289, Application US/11293697
; Publication No. US20060105376A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: Novel full length cDNA
; FILE REFERENCE: H1-A0106
; CURRENT APPLICATION NUMBER: US/11/293,697
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; CURRENT FILING DATE: 2005-12-05
; PRIOR APPLICATION NUMBER: US/10/108,260
; PRIOR FILING DATE: 2002-03-28
; NUMBER OF SEQ ID NOS: 5458
; SOFTWARE: Patentln Ver. 2.1
; SEQ ID NO 4289
; LENGTH: 477
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-293-697-4289
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Query Match 100.0%; Score 1767; DB 7; Length 477;
Best Local Similarity 100.0%; Pred. No. 7.3e-131;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 ASTKGSPVFPLAPSSKTSGGTALGCLVKDYRPEPTVSMNSGALTSGVHTFPAVLQSS 60
Db 148 ASTKGSPVFPLAPSSKTSGGTALGCLVKDYRPEPTVSMNSGALTSGVHTFPAVLQSS 207
QY 61 GLYSLSVVTVPSSSLGTQTYICNVNHNKPSNTKVDKVEPKSCDKHTHCPCPAPPELLGG 120
Db 208 GLYSLSVVTVPSSSLGTQTYICNVNHNKPSNTKVDKVEPKSCDKHTHCPCPAPPELLGG 267
QY 121 PSVFLPPPKDITLMSRTPEVTCVVVDVSHEDPEVKFNNYVDSGEVNAKTKPREQYN 180
Db 268 PSVFLPPPKDITLMSRTPEVTCVVVDVSHEDPEVKFNNYVDSGEVNAKTKPREQYN 327
QY 181 STYRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
Db 328 STYRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 387
QY 241 LTRNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRW 300
Db 388 LTRNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRW 447
QY 301 OQGNVFCSCVMHEALHNHYTOKSLSPGK 330
Db 448 OQGNVFCSCVMHEALHNHYTOKSLSPGK 477
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RESULT 15

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US-10-807-997-4
; Sequence 4, Application US/10807997
; Publication No. US20060134756A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Wenfeng
; APPLICANT: Kindsvogel, Wayne
; APPLICANT: Chandrasekher, Yasmin A.
; APPLICANT: Dillon, Stacey R.
; APPLICANT: Lehnert, Joyce M.
; APPLICANT: Siadek, Anthony W.
; APPLICANT: Sivakumar, Pallavar V.
; APPLICANT: Moore, Margaret D.
; TITLE OF INVENTION: ANTI-IL-20 ANTIBODIES AND METHODS OF USING IN INFLAMMATION
; FILE REFERENCE: 04-04
; CURRENT APPLICATION NUMBER: US/10/807,997
; CURRENT FILING DATE: 2004-03-24
; PRIOR APPLICATION NUMBER: US 60/457,481
; PRIOR FILING DATE: 2003-03-24
; PRIOR APPLICATION NUMBER: US 60/523,295
; NUMBER OF SEQ ID NOS: 62
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 541
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: A Soluble IL-22RA-Fc Fusion Polypeptide
US-10-807-997-4
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Query Match 100.0%; Score 1767; DB 6; Length 541;
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Best Local Similarity 100.0%; Pred. No. 8.6e-131;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 212 ASTKGPSVFPLAPSSKSTSGGTAAAGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSS 271
QY 61 GLYSLSVYTVPSSSLGTQYIICNVNHRPSNTKVDKVEPKSCDKHTCCPCPAPELLGG 120
Db 272 GLYSLSVYTVPSSSLGTQYIICNVNHRPSNTKVDKVEPKSCDKHTCCPCPAPELLGG 331
QY 121 PSVFLFPPKPKDTLMISRTPEVTCVYVDVSHEDPEVKFNWYVDGVEAHNAKTKPREEOYN 180
Db 332 PSVFLFPPKPKDTLMISRTPEVTCVYVDVSHEDPEVKFNWYVDGVEAHNAKTKPREEOYN 391
QY 181 STYRVASVLTVLHODMLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
Db 392 STYRVASVLTVLHODMLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 451
QY 241 LTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRW 300
Db 452 LTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRW 511
QY 301 QCGNVPFSCSVMEALAHNYTOKSLSLSPGK 330
Db 512 QCGNVPFSCSVMEALAHNYTOKSLSLSPGK 541
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Search completed: June 28, 2006, 17:40:51
Job time : 10.3125 secs

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GenCore version 5.1.9
Copyright (c) 1993 - 2006 Bioacceleration Ltd.

OM protein - protein search, using sw model

Run on: June 28, 2006, 17:36:38 ; Search time 14.2843 Seconds
(without alignments)
667.926 Million cell updates/sec

Title: US-10-687-118-4

Perfect score: 575
Sequence: 1 SYVLTQPPSVSVAPGQTARI.....WSSSDHVFEGGTKLTVLG 109

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 650591 seqs, 87530628 residues

Total number of hits satisfying chosen parameters: 650591

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

1: Issued Patents AA.*
2: /EMC_Celexra_SIDS3/prodata/2/iaa/5.COMB.pep.*
3: /EMC_Celexra_SIDS3/prodata/2/iaa/6.COMB.pep.*
4: /EMC_Celexra_SIDS3/prodata/2/iaa/7.COMB.pep.*
5: /EMC_Celexra_SIDS3/prodata/2/iaa/H.COMB.pep.*
6: /EMC_Celexra_SIDS3/prodata/2/iaa/PCTUS.COMB.pep.*
7: /EMC_Celexra_SIDS3/prodata/2/iaa/RE.COMB.pep.*
8: /EMC_Celexra_SIDS3/prodata/2/iaa/backfile1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match Length	ID	Description
1	554	96.3	108	1 US-08-259-372A-10	Sequence 10, Appl
2	554	96.3	108	1 US-08-468-671-10	Sequence 10, Appl
3	502	87.3	109	2 US-09-202-181-2	Sequence 2, Appl
4	477	83.0	152	2 US-09-471-276-855	Sequence 855, App
5	472.5	82.2	108	2 US-09-025-769B-20	Sequence 20, Appl
6	472.5	82.2	108	2 US-09-450-070A-20	Sequence 20, Appl
7	472.5	82.2	108	2 US-09-490-153-20	Sequence 20, Appl
8	472.5	82.2	108	2 US-09-430-324-20	Sequence 20, Appl
9	471	81.9	128	1 US-08-478-039-110	Sequence 110, App
10	471	81.9	128	1 US-08-476-349A-110	Sequence 110, App
11	471	81.9	128	2 US-08-523-894-4	Sequence 4, Appl
12	471	81.9	233	2 US-08-523-894-6	Sequence 6, Appl
13	467	81.2	234	2 US-08-487-550-2	Sequence 2, Appl
14	467	81.2	234	2 US-09-526-098-2	Sequence 2, Appl
15	467	81.2	234	2 US-09-383-916-2	Sequence 2, Appl
16	467	81.2	234	2 US-09-758-173-2	Sequence 2, Appl
17	467	81.2	234	2 US-09-576-424-2	Sequence 2, Appl
18	463	80.5	109	1 US-08-478-039-91	Sequence 91, Appl
19	463	80.5	109	1 US-08-476-349A-91	Sequence 91, Appl
20	462	79.3	95	2 US-08-896-535-77	Sequence 77, Appl
21	458	79.7	109	1 US-08-478-039-92	Sequence 92, Appl
22	458	79.7	109	1 US-08-476-349A-92	Sequence 92, Appl
23	451	78.4	122	2 US-09-424-840B-28	Sequence 28, Appl
24	422.5	73.5	266	2 US-09-976-118-1	Sequence 1, Appl
25	422	73.4	107	2 US-09-025-769B-34	Sequence 34, Appl
26	422	73.4	107	2 US-09-025-769B-55	Sequence 55, Appl

27	422	73.4	107	2 US-09-490-070A-34	Sequence 34, Appl
28	422	73.4	107	2 US-09-490-070A-55	Sequence 55, Appl
29	422	73.4	107	2 US-09-490-153-34	Sequence 34, Appl
30	422	73.4	107	2 US-09-490-153-55	Sequence 55, Appl
31	422	73.4	107	2 US-09-490-324-34	Sequence 34, Appl
32	422	73.4	107	2 US-09-490-324-55	Sequence 55, Appl
33	422	73.4	109	2 US-09-157-370-5	Sequence 5, Appl
34	415	72.2	108	1 US-08-360-125-12	Sequence 12, Appl
35	415	72.2	108	1 US-08-450-578-12	Sequence 12, Appl
36	415	72.2	108	1 US-09-017-628-12	Sequence 12, Appl
37	415	72.2	108	1 US-09-014-880-12	Sequence 12, Appl
38	415	72.2	108	2 US-08-450-363-12	Sequence 12, Appl
39	415	72.2	108	2 US-09-467-903-12	Sequence 12, Appl
40	414	72.0	108	2 US-09-744-176A-2	Sequence 2, Appl
41	410	71.3	106	3 US-10-072-301A-35	Sequence 35, Appl
42	410	71.3	253	3 US-10-072-301A-17	Sequence 17, Appl
43	410	71.3	253	3 US-10-072-301A-25	Sequence 25, Appl
44	408	71.0	120	2 US-09-471-276-972	Sequence 972, App
45	405	70.4	108	2 US-09-744-176A-6	Sequence 6, Appl

ALIGNMENTS

RESULT 1
US-08-259-372A-10
Sequence 10 Application US/08259372A
Patent No. 556354
GENERAL INFORMATION:
APPLICANT: Ostberg, Lars G.
TITLE OF INVENTION: PRODUCTION OF HUMAN MONOCLONAL ANTIBODIES SPECIFIC FOR HEPATITIS B SURFACE ANTIGEN
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/259,372A
FILING DATE: 14-JUN-1994
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/871,426
FILING DATE: 21-APR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/676,036
FILING DATE: 27-MAR-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/538,796
FILING DATE: 15-JUN-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/192,754
FILING DATE: 11-MAY-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 06/925,196
FILING DATE: 31-OCT-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 06/904,517
FILING DATE: 05-SEP-1986
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 11823-50-7
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 326-2400

TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 108 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-259-372A-10

Query Match 96.3%; Score 554; DB 1; Length 108;
Best Local Similarity 100.0%; Pred. No. 1e-45;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 LTQPPSVVAPGQTARITCGDNIGSKSVVMFOQKPGQAPVLVYDDNERPSGISERFSG 63
DB 4 LTQPPSVVAPGQTARITCGDNIGSKSVVMFOQKPGQAPVLVYDDNERPSGISERFSG 63

QY 64 SNSGNTATLTISRVEAGDEADYYCQWDSSSHVVFSGGKTLTVL 108
DB 64 SNSGNTATLTISRVEAGDEADYYCQWDSSSHVVFSGGKTLTVL 108

RESULT 2
US-08-468-671-10
Sequence 10, Application US/08468671
Patent No. 5648077

GENERAL INFORMATION:

APPLICANT: Oseberg, Lars G.

TITLE OF INVENTION: PRODUCTION OF HUMAN MONOCLONAL

TITLE OF INVENTION: ANTIBODIES SPECIFIC FOR HEPATITIS B SURFACE ANTIGEN

NUMBER OF SEQUENCES: 16

CORRESPONDENCE ADDRESS:

ADDRESSEE: Townsend and Townsend and Crew LLP

STREET: Two Embarcadero Center, Eighth Floor

CITY: San Francisco

STATE: CA

COUNTRY: USA

ZIP: 94111-3834

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent in Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/468,671

FILING DATE: 06-JUN-1995

CLASSIFICATION: 424

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/259,372

FILING DATE: 14-JUN-1994

APPLICATION NUMBER: US 07/871,426

FILING DATE: 21-APR-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/676,036

FILING DATE: 27-MAR-1991

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/538,796

FILING DATE: 15-JUN-1990

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/192,754

FILING DATE: 11-MAY-1988

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 06/925,196

FILING DATE: 31-OCT-1986

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 06/904,517

FILING DATE: 05-SEP-1986

ATTORNEY/AGENT INFORMATION:

NAME: Smith, William M.

REGISTRATION NUMBER: 30,223

REFERENCE/DOCKET NUMBER: 11823-50-7

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 326-2400

TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 108 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-468-671-10

Query Match 96.3%; Score 554; DB 1; Length 108;
Best Local Similarity 100.0%; Pred. No. 1e-45;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 LTQPPSVVAPGQTARITCGDNIGSKSVVMFOQKPGQAPVLVYDDNERPSGISERFSG 63
DB 4 LTQPPSVVAPGQTARITCGDNIGSKSVVMFOQKPGQAPVLVYDDNERPSGISERFSG 63

QY 64 SNSGNTATLTISRVEAGDEADYYCQWDSSSHVVFSGGKTLTVL 108
DB 64 SNSGNTATLTISRVEAGDEADYYCQWDSSSHVVFSGGKTLTVL 108

RESULT 3
US-09-202-181-2
Sequence 2, Application US/09202181
Patent No. 6254867

GENERAL INFORMATION:

APPLICANT: REISNER, Yair et al.

TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES TO THE HEPATITIS B SURFACE

TITLE OF INVENTION: ANTIGEN

FILE REFERENCE: REISNER=5

CURRENT APPLICATION NUMBER: US/09/202,181

CURRENT FILING DATE: 1998-12-10

PRIOR APPLICATION NUMBER: 118625

PRIOR FILING DATE: 1996-06-11

PRIOR APPLICATION NUMBER: 1197/00184

PRIOR FILING DATE: 1997-06-10

NUMBER OF SEQ ID NOS: 4

SOFTWARE: Patent in Ver. 2.1

SEQ ID NO 2

LENGTH: 109

TYPE: PRT

ORGANISM: human

US-09-202-181-2

Query Match 87.3%; Score 502; DB 2; Length 109;

Best Local Similarity 86.2%; Pred. No. 9.7e-41;

Matches 94; Conservative 9; Mismatches 6; Indels 0; Gaps 0;

QY 1 SYVLTQPPSVVAPGQTARITCGDNIGSKSVVMFOQKPGQAPVLVYDDNERPSGISER 60
DB 1 SYVLTQPPSVVAPGQTARITCGDNIGSKSVVMFOQKPGQAPVLVYDDNERPSGISER 60

QY 61 FSGSNSGNTATLTISRVEAGDEADYYCQWDSSSHVVFSGGKTLTVL 109
DB 61 FSGSNSGNTATLTISRVEAGDEADYYCQWDSSSHVVFSGGKTLTVL 109

RESULT 4

US-09-471-276-855

Sequence 855, Application US/09471276

Patent No. 6822072

GENERAL INFORMATION:

APPLICANT: Ducielt A. J.

APPLICANT: Ducielt A. J.

APPLICANT: Ducielt A. J.

APPLICANT: Ducielt A. J.

APPLICANT: Ducielt A. J.

APPLICANT: Ducielt A. J.

APPLICANT: Ducielt A. J.

APPLICANT: Ducielt A. J.

APPLICANT: Ducielt A. J.

APPLICANT: Ducielt A. J.

APPLICANT: Ducielt A. J.

APPLICANT: Ducielt A. J.

Db 61 SGNNGTATLTISGVQAEADADYCCQSWDSSG-NVFFGGTKLTVLG 107

RESULT 7

US-09-490-153-20
Sequence 20, Application US/09490153
Patent No. 6706484

GENERAL INFORMATION:
APPLICANT: Knappik, Achim
Pack, Peter
Ilag, Vic
Ge, Liming
Moroney, Simon

TITLE OF INVENTION: Protein/(Poly)peptide libraries
NUMBER OF SEQUENCES: 373
CORRESPONDENCE ADDRESS:
ADDRESSEE: James F. Haley, Jr., Esq. c/o Fish & Neave
STREET: 1251 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10021

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30 (EPO)

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/490.153
FILING DATE: 24-Jan-2000
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US/09/025.769B
FILING DATE: 18-FEB-1998
APPLICATION NUMBER: EP 95 11 3021.0
FILING DATE: 18-AUG-1995

ATTORNEY/AGENT INFORMATION:
NAME: James F. Haley, Jr., Esq.
REGISTRATION NUMBER: 27,794
REFERENCE/DOCKET NUMBER: MORPHO/5
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)596-9000
TELEFAX: (212)596-9090

INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 108 amino acids
TYPE: amino acid
STRANDEDNESS: <Unknown>
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 20:

US-09-490-153-20

Query Match 82.2%; Score 472.5; DB 2; Length 108;
Best Local Similarity 83.3%; Pred. No. 6.3e-38;
Matches 90; Conservative 8; Mismatches 9; Indels 1; Gaps 1;

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Db 1 YELTQPPSVVAPGQTARITCGDNIIGSKSVNMFQKPGQAPLVLYVDNRRSPGISSEPF 60
QY 62 SGNNGTATLTISGVQAEADADYCCQSWDSSG-NVFFGGTKLTVLG 109
Db 61 SGNNGTATLTISGVQAEADADYCCQSWDSSG-NVFFGGTKLTVLG 107

RESULT 8

US-09-490-324-20
Sequence 20, Application US/09490324
Patent No. 6828422
GENERAL INFORMATION:
APPLICANT: Knappik, Achim

Pack, Peter
Ilag, Vic
Ge, Liming
Moroney, Simon
Plueckhuhn, Andreas
TITLE OF INVENTION: Protein/(Poly)peptide libraries
NUMBER OF SEQUENCES: 373
CORRESPONDENCE ADDRESS:
ADDRESSEE: James F. Haley, Jr., Esq. c/o Fish & Neave
STREET: 1251 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10021

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30 (EPO)

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/490.324
FILING DATE: 24-Jan-2000
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US/09/025.769
FILING DATE: 18-FEB-1998
APPLICATION NUMBER: EP 95 11 3021.0
FILING DATE: 18-AUG-1995

ATTORNEY/AGENT INFORMATION:
NAME: James F. Haley, Jr., Esq.
REGISTRATION NUMBER: 27,794
REFERENCE/DOCKET NUMBER: MORPHO/5
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)596-9000
TELEFAX: (212)596-9090

INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 108 amino acids
TYPE: amino acid
STRANDEDNESS: <Unknown>
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 20:

US-09-490-324-20

Query Match 82.2%; Score 472.5; DB 2; Length 108;
Best Local Similarity 83.3%; Pred. No. 6.3e-38;
Matches 90; Conservative 8; Mismatches 9; Indels 1; Gaps 1;

QY 2 YVLTQPPSVVAPGQTARITCGDNIIGSKSVNMFQKPGQAPLVLYVDNRRSPGISSEPF 61
Db 1 YELTQPPSVVAPGQTARITCGDNIIGSKSVNMFQKPGQAPLVLYVDNRRSPGISSEPF 60
QY 62 SGNNGTATLTISGVQAEADADYCCQSWDSSG-NVFFGGTKLTVLG 109
Db 61 SGNNGTATLTISGVQAEADADYCCQSWDSSG-NVFFGGTKLTVLG 107

RESULT 9

US-08-478-039-110
Sequence 110, Application US/08478039
Patent No. 5681722
GENERAL INFORMATION:
APPLICANT: Newman, Roland A.
APPLICANT: Hanna, Nabil
APPLICANT: Raab, Ronald W.

TITLE OF INVENTION: Recombinant Antibodies for Human Therapy
NUMBER OF SEQUENCES: 114
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince St.
CITY: Alexandria
STATE: VA
COUNTRY: USA

REFERENCE/DOCKET NUMBER: 012712-165
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 128 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-523-894-4

Query Match 81.9%; Score 471; DB 2; Length 128;
Best Local Similarity 80.7%; Pred. No. 1.1e-37;
Matches 88; Conservative 9; Mismatches 12; Indels 0; Gaps 0;

QY 1 SYVLTPPPSVVAPGQTARITTCGGDNIGSKSVNMFQOKPGQAPLVLYVDDNERPSGISER 60
DB 20 SYELSQPSVSVSPGQTARITTCGGDNIGSKSVNMFQOKPGQAPLVLYVDDNERPSGISER 79

QY 61 FSGSNSGNTATLTITSRYEAGDEADYCCOWDSSSDHVPFGGTRKLTVLG 109
DB 80 FSGSNSGNTATLTITSRYEAGDEADYCCOWDSTADHVPFGGTRKLTVLG 128

RESULT 12
US-08-523-894-6
Sequence 6, Application US/08523894
Patent No. 6136310
GENERAL INFORMATION:
APPLICANT: Hanna, Nabli
APPLICANT: Newman, Roland A.
APPLICANT: Reff, Mitchell E.
TITLE OF INVENTION: Recombinant Anti-CD4 Antibodies for Human
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince Street
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314-3187
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/523,894
FILING DATE: 06-SEP-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Teakin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-165
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 233 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-523-894-6

Query Match 81.9%; Score 471; DB 2; Length 233;
Best Local Similarity 80.7%; Pred. No. 2.1e-37;
Matches 88; Conservative 9; Mismatches 12; Indels 0; Gaps 0;
QY 1 SYVLTPPPSVVAPGQTARITTCGGDNIGSKSVNMFQOKPGQAPLVLYVDDNERPSGISER 60

DB 20 SYELSQPSVSVSPGQTARITTCGGDNIGSKSVNMFQOKPGQAPLVLYVDDNERPSGISER 79
QY 61 FSGSNSGNTATLTITSRYEAGDEADYCCOWDSSSDHVPFGGTRKLTVLG 109
DB 80 FSGSNSGNTATLTITSRYEAGDEADYCCOWDSTADHVPFGGTRKLTVLG 128

RESULT 13
US-08-487-550-2
Sequence 2, Application US/08487550
Patent No. 613898
GENERAL INFORMATION:
APPLICANT: Anderson, Darrell R.
TITLE OF INVENTION: "MONKEY MONOCLONAL ANTIBODIES SPECIFIC
TITLE OF INVENTION: TO HUMAN B7.1 AND/OR B7.2 PRIMATIZED FORMS THEREOF,
TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince Street
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/487,550
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Teakin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-131
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 234 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-487-550-2

Query Match 81.2%; Score 467; DB 2; Length 234;
Best Local Similarity 77.1%; Pred. No. 5e-37;
Matches 84; Conservative 15; Mismatches 10; Indels 0; Gaps 0;

QY 1 SYVLTPPPSVVAPGQTARITTCGGDNIGSKSVNMFQOKPGQAPLVLYVDDNERPSGISER 60
DB 21 SYELTPPPSVVAPGQTARITTCGGDNIGSKSVNMFQOKPGQAPLVLYVDDNERPSGISER 80
QY 61 FSGSNSGNTATLTITSRYEAGDEADYCCOWDSSSDHVPFGGTRKLTVLG 109
DB 81 FSGSNSGNTATLTITSRYEAGDEADYCCOWDRASDHPVFGGTRKLTVLG 129

RESULT 14
US-09-526-098-2
Sequence 2, Application US/09526098
Patent No. 6492134
GENERAL INFORMATION:
APPLICANT: Anderson, Darrell R.
TITLE OF INVENTION: "MONKEY MONOCLONAL ANTIBODIES SPECIFIC
TITLE OF INVENTION: TO HUMAN B7.1 AND/OR B7.2 PRIMATIZED FORMS THEREOF,
TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS
NUMBER OF SEQUENCES: 12
IMMUNOSUPPRESSANTS"

CORRESPONDENCE ADDRESS:
 ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
 STREET: 699 Prince Street
 CITY: Alexandria
 STATE: VA
 COUNTRY: USA
 ZIP: 22314
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent'n Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/526,098
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 09/383,916
 FILING DATE:
 APPLICATION NUMBER: US 08/487,550
 FILING DATE: 07-JUN-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Teekin, Robin L.
 REGISTRATION NUMBER: 35,030
 REFERENCE/DOCKET NUMBER: 012712-131
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 703-836-6620
 TELEFAX: 703-836-2021
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 234 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-09-526-098-2

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1  APPLICATION NUMBER:  US/09/383,916
2  FILING DATE:  26-AUG-1999
3  CLASSIFICATION:
4  PRIOR APPLICATION DATA:
5  APPLICATION NUMBER:  US
6  FILING DATE:  07-JUN-1995
7  ATTORNEY/AGENT INFORMATION:
8  NAME:  Teskin, Robin L.
9  REGISTRATION NUMBER:  35,030
10 REFERENCE/DOCKET NUMBER:  012712-131
11 TELECOMMUNICATION INFORMATION:
12 TELEPHONE:  703-836-6620
13 TELEFAX:  703-836-2021
14 INFORMATION FOR SEQ ID NO:  2:
15 SEQUENCE CHARACTERISTICS:
16 LENGTH:  234 amino acids
17 TYPE:  amino acid
18 TOPOLOGY:  linear
19 MOLECULE TYPE:  protein
20 US-09-383-916-2

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RESULT 15
 US-09-383-916-2
 Sequence 2, Application US/09383916
 Patent No. 6709654
 GENERAL INFORMATION:
 APPLICANT: Anderson, Darrell R.
 TITLE OF INVENTION: "MONKEY MONOCLONAL ANTIBODIES SPECIFIC
 TITLE OF INVENTION: TO HUMAN B7.1 AND/OR B7.2 PRIMATIZED FORMS THEREOF,
 TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS
 TITLE OF INVENTION: IMMUNOSUPPRESSANTS"
 NUMBER OF SEQUENCES: 12
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
 STREET: 699 Prince Street
 City: Alexandria
 STATE: VA
 COUNTRY: USA
 Zip: 22314
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:

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GenCore version 5.1.9
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: June 28, 2006, 17:39:20 ; Search time 48.5665 Seconds
(without alignments)
1039.613 Million cell updates/sec

Title: US-10-687-118-4

Perfect score: 575
Sequence: 1 SYVLTOPPSVAVAPQATRI.....WSSSDHVFEGGKTLTVIG 109

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2097797 seqs, 463214858 residues

Total number of hits satisfying chosen parameters: 2097797

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications_AA_Main:
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2: /EMC_Celerra_SIDS3/ptodata/2/pubppaa/US08_PUBCOMB.pcp:*
3: /EMC_Celerra_SIDS3/ptodata/2/pubppaa/US09_PUBCOMB.pcp:*
4: /EMC_Celerra_SIDS3/ptodata/2/pubppaa/US10_PUBCOMB.pcp:*
5: /EMC_Celerra_SIDS3/ptodata/2/pubppaa/US10B_PUBCOMB.pcp:*
6: /EMC_Celerra_SIDS3/ptodata/2/pubppaa/US11_PUBCOMB.pcp:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	575	100.0	109	US-10-822-300-4	Sequence 4, Appli
2	575	100.0	109	US-10-687-118-4	Sequence 4, Appli
3	575	100.0	109	US-11-102-621-4	Sequence 4, Appli
4	535	93.0	233	US-10-479-284-29	Sequence 29, Appli
5	532	92.5	110	US-10-364-743-115	Sequence 115, App
6	532	92.5	110	US-10-452-593-115	Sequence 115, App
7	526.5	91.6	111	US-10-251-085B-175	Sequence 175, App
8	526.5	91.6	111	US-10-737-252-175	Sequence 175, App
9	524	91.1	110	US-10-251-085B-163	Sequence 163, App
10	524	91.1	110	US-10-251-085B-166	Sequence 163, App
11	524	91.1	110	US-10-737-252-163	Sequence 163, App
12	524	91.1	110	US-10-737-252-166	Sequence 166, App
13	522	90.8	110	US-10-251-085B-168	Sequence 166, App
14	522	90.8	110	US-10-737-252-168	Sequence 166, App
15	520	90.4	110	US-10-251-085B-170	Sequence 170, App
16	520	90.4	110	US-10-737-252-170	Sequence 170, App
17	518	90.1	110	US-10-251-085B-172	Sequence 172, App
18	518	90.1	110	US-10-737-252-172	Sequence 172, App
19	518	90.1	120	US-10-993-543-50	Sequence 50, Appli
20	518	90.1	120	US-10-993-543-54	Sequence 94, Appli
21	518	90.1	120	US-10-993-543-295	Sequence 295, App
22	518	89.9	110	US-10-993-543-295	Sequence 299, App
23	517	89.9	110	US-10-251-085B-177	Sequence 177, App
24	517	89.9	110	US-10-737-252-177	Sequence 177, App
25	515	89.6	109	US-10-891-972-134	Sequence 134, App
26	511	88.9	108	US-11-049-536-200	Sequence 200, App
27	511	88.9	108	US-11-199-739-200	Sequence 200, App

28	510	88.7	252	4	US-10-779-461-33	Sequence 33, Appli
29	509	88.5	108	5	US-10-891-972-14	Sequence 14, Appli
30	508	88.3	110	4	US-10-251-085B-173	Sequence 173, App
31	508	88.3	110	4	US-10-737-252-173	Sequence 173, App
32	508	88.3	112	4	US-10-251-085B-167	Sequence 167, App
33	508	88.3	112	4	US-10-737-252-167	Sequence 167, App
34	507	88.2	110	4	US-10-251-085B-174	Sequence 174, App
35	507	88.2	110	4	US-10-737-252-174	Sequence 174, App
36	505	87.8	108	5	US-10-891-972-16	Sequence 16, Appli
37	505	87.8	108	5	US-10-891-972-36	Sequence 36, Appli
38	505	87.8	108	5	US-10-891-972-38	Sequence 38, Appli
39	505	87.8	108	5	US-10-891-972-40	Sequence 40, Appli
40	505	87.8	108	5	US-10-891-972-42	Sequence 42, Appli
41	505	87.8	108	5	US-10-891-972-44	Sequence 44, Appli
42	505	87.8	108	5	US-10-891-972-46	Sequence 46, Appli
43	505	87.8	108	5	US-10-891-972-48	Sequence 48, Appli
44	505	87.8	108	5	US-10-891-972-50	Sequence 50, Appli
45	505	87.8	108	5	US-10-891-972-52	Sequence 52, Appli

ALIGNMENTS

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RESULT 1
US-10-822-300-4
; Sequence 4, Application US/106822300
; Publication No. US20050014934A1
; GENERAL INFORMATION:
; APPLICANT: Hinton, et al.
; TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
; FILE REFERENCE: 05882.0039.CPUS01
; CURRENT APPLICATION NUMBER: US/10/822.300
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 4
; LENGTH: 109
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-822-300-4

Query Match      100.0%; Score 575; DB 5; Length 109;
Best Local Similarity 100.0%; Pred. No. 3.6e-43;
Matches 109; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 SYVLTOPPSVAVAPQATRIICGGDNIGSKSVNMFQKPGQAPVLVYDDNERPSGISER 60
DB      1 SYVLTOPPSVAVAPQATRIICGGDNIGSKSVNMFQKPGQAPVLVYDDNERPSGISER 60
QY      61 FSGNSGNTATLTISRVEAGDEADYCCQWMDSSDHVFGGKTLTVIG 109
DB      61 FSGNSGNTATLTISRVEAGDEADYCCQWMDSSDHVFGGKTLTVIG 109

RESULT 2
US-10-687-118-4
; Sequence 4, Application US/10687118
; Publication No. US20050032114A1
; GENERAL INFORMATION:
; APPLICANT: Hinton, et al.
; TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
; FILE REFERENCE: 05882.0039.NPUS04
; CURRENT APPLICATION NUMBER: US/10/687.118
; NUMBER OF SEQ ID NOS: 112
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 4
; LENGTH: 109
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-687-118-4
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Query Match 100.0%; Score 575; DB 5; Length 109;
 Best Local Similarity 100.0%; Pred. No. 3.6e-43;
 Matches 109; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SYVLTQPPSVVAPGQTARITCGDNI GSKSVNMFQKPGQAPLVVYDDNERPSGISER 60
 |||||
 DB 1 SYVLTQPPSVVAPGQTARITCGDNI GSKSVNMFQKPGQAPLVVYDDNERPSGISER 60
 |||||
 DB 61 FSGSNSGNATLTITISRVEAGDEADYCCQWWDSSSDHVFPGGKTLTVLG 109
 |||||
 DB 61 FSGSNSGNATLTITISRVEAGDEADYCCQWWDSSSDHVFPGGKTLTVLG 109

RESULT 3

US-11-102-621-4
 ; Sequence 4, Application US/11102621
 ; Publication No. US20050276799A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Protein Design Labs, Inc.
 ; APPLICANT: Hinton, Paul R.
 ; APPLICANT: Teurushita, Naoya
 ; APPLICANT: Tso, J. Yun
 ; TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
 ; FILE REFERENCE: 05882.0039.00PC03
 ; CURRENT APPLICATION NUMBER: US/11/102.621
 ; CURRENT FILING DATE: 2005-04-08
 ; PRIOR APPLICATION NUMBER: US 10/822,300
 ; PRIOR FILING DATE: 2004-04-09
 ; NUMBER OF SEQ ID NOS: 146
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 4
 ; LENGTH: 109
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-11-102-621-4

Query Match 100.0%; Score 575; DB 6; Length 109;
 Best Local Similarity 100.0%; Pred. No. 3.6e-43;
 Matches 109; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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 DB 1 SYVLTQPPSVVAPGQTARITCGDNI GSKSVNMFQKPGQAPLVVYDDNERPSGISER 60
 |||||
 QY 61 FSGSNSGNATLTITISRVEAGDEADYCCQWWDSSSDHVFPGGKTLTVLG 109
 |||||
 DB 61 FSGSNSGNATLTITISRVEAGDEADYCCQWWDSSSDHVFPGGKTLTVLG 109

RESULT 4

US-10-479-284-29
 ; Sequence 29, Application US/10479284
 ; Publication No. US20040158039A1
 ; GENERAL INFORMATION:
 ; APPLICANT: INCYTE CORPORATION ; YUE, Henry;
 ; APPLICANT: LEE, Ernestine A. ; BECHA, Shanya D. ;
 ; APPLICANT: BAUGHN, Mariah R. ; YAO, Montique G. ;
 ; APPLICANT: TANG, Y. Tom ; AU-YOUNG, Janice K. ;
 ; APPLICANT: LAL, Preeti G. ; WARREN, Bridget A. ;
 ; APPLICANT: DUGGAN, Brendan M. ; TRAN, Uyen K. ;
 ; APPLICANT: XU, Yuning ; THANGAVELU, Kavitha ;
 ; APPLICANT: RICHARDSON, Thomas W. ; BANDMAN, Olga ;
 ; APPLICANT: JONES, Karen Anne ; YANG, Junning ;
 ; APPLICANT: EMERLING, Brooke M. ; SWARNAKAR, Anita ;
 ; APPLICANT: LUO, Wen ; CHAWLA, Nandini K. ;
 ; APPLICANT: AZIMZAI, Yalda ; KHAN, Farrah A. ;
 ; APPLICANT: LU, Dyrung Alina M. ; GRIFFIN, Jennifer A. ;
 ; APPLICANT: LEE, Soo Yeun ; BURFORD, Neil ;
 ; APPLICANT: ELIOTT, Vicki S. ; HONCHELL, Cynthia D. ;
 ; APPLICANT: HE, Ann ; MASON, Patricia M. ;

; APPLICANT: Li, Joana X. ; HAPALIA, April J.A. ;
 ; APPLICANT: GURURAJAN, Rajagopal
 ; TITLE OF INVENTION: SECRETED PROTEINS
 ; FILE REFERENCE: PF-0998 USN
 ; CURRENT APPLICATION NUMBER: US/10/479.284
 ; CURRENT FILING DATE: 2003-11-24
 ; PRIOR APPLICATION NUMBER: PCT/US02/16234
 ; PRIOR FILING DATE: 2002-05-21
 ; PRIOR APPLICATION NUMBER: US 60/293,728
 ; PRIOR FILING DATE: 2001-05-25
 ; PRIOR APPLICATION NUMBER: US 60/297,019
 ; PRIOR FILING DATE: 2001-06-08
 ; PRIOR APPLICATION NUMBER: US 60/299,297
 ; PRIOR FILING DATE: 2001-06-19
 ; PRIOR APPLICATION NUMBER: US 60/300,537
 ; PRIOR FILING DATE: 2001-06-22
 ; PRIOR APPLICATION NUMBER: US 60/301,936
 ; PRIOR FILING DATE: 2001-06-29
 ; PRIOR APPLICATION NUMBER: US 60/362,439
 ; PRIOR FILING DATE: 2002-03-06
 ; PRIOR APPLICATION NUMBER: US 60/363,649
 ; PRIOR FILING DATE: 2002-03-08
 ; PRIOR APPLICATION NUMBER: US 60/366,041
 ; PRIOR FILING DATE: 2002-03-19
 ; NUMBER OF SEQ ID NOS: 64
 ; SOFTWARE: PERL Program
 ; SEQ ID NO 29
 ; LENGTH: 233
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; OTHER INFORMATION: Incyte ID No: 2310442CD1
 ; US-10-479-284-29

Query Match 93.0%; Score 535; DB 4; Length 233;
 Best Local Similarity 91.7%; Pred. No. 2.7e-39;
 Matches 100; Conservative 7; Mismatches 2; Indels 0; Gaps 0;

QY 1 SYVLTQPPSVVAPGQTARITCGDNI GSKSVNMFQKPGQAPLVVYDDNERPSGISER 60
 |||||
 DB 20 SYVLTQPPSVVAPGQTARITCGDNI GSKSVNMFQKPGQAPLVVYDDNERPSGISER 79
 |||||
 QY 61 FSGSNSGNATLTITISRVEAGDEADYCCQWWDSSSDHVFPGGKTLTVLG 109
 |||||
 DB 80 FSGSNSGNATLTITISRVEAGDEADYCCQWWDSSSDHVFPGGKTLTVLG 128
 |||||

RESULT 5

US-10-364-743-115
 ; Sequence 115, Application US/10364743
 ; Publication No. US20040009178A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Bowdish, Katherine S.
 ; APPLICANT: Frederickson, Shana
 ; APPLICANT: Wild, Martha A.
 ; APPLICANT: Maruyama, Toshiaki
 ; APPLICANT: No. US20040009178A1an, Mary Jean
 ; TITLE OF INVENTION: IMMUNOTHERAPEUTICS FOR BIODEFENSE
 ; FILE REFERENCE: 84 (1087-73)
 ; CURRENT APPLICATION NUMBER: US/10/364,743
 ; CURRENT FILING DATE: 2003-02-11
 ; PRIOR APPLICATION NUMBER: US 60/428,807
 ; PRIOR FILING DATE: 2002-11-25
 ; NUMBER OF SEQ ID NOS: 118
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 115
 ; LENGTH: 110
 ; TYPE: PRT
 ; ORGANISM: human
 ; US-10-364-743-115

Query Match 92.5%; Score 532; DB 4; Length 110;

Best Local Similarity 91.7%; Pred. No. 2.3e-39;
Matches 99; Conservative 8; Mismatches 1; Indels 0; Gaps 0;

OY 1 SYVLTOPPVSVAAPGQARITTCGGDNIGSKSVNMFQOKPGQAPVLYVYDDNERPSGISER 60
|||
DB 3 SYVLTOPPVSVAAPGQARITTCGGDNIGSKSVNMFQOKPGQAPVLYVYDDSDRPSGIPDR 62

OY 61 FSGNSGNTATLTISRVEAGDEADYCCQWMDSSDHVVFGGGTGTLTVL 108
|||
DB 63 FSGNSGNTATLTISRVEAGDEADYCCQWMDSSDHVVFGGGTGTLTVL 110

RESULT 6

US-10-452-593-115
; Sequence 115, Application US/10452593
; Publication No. US20040258699A1
; GENERAL INFORMATION:
; APPLICANT: Bowdish, Katherine S.
; APPLICANT: Frederickson, Shana
; APPLICANT: Wild, Marcha A.
; APPLICANT: Maruyama, Toshiaki
; APPLICANT: Nolan, Mary Jean
; TITLE OF INVENTION: IMMUNOTHERAPEUTICS FOR BIODEFENSE
; FILE REFERENCE: 98 CIP (1087-73 CIP)
; CURRENT FILING DATE: 2003-06-02
; PRIOR APPLICATION NUMBER: US 10/364,743
; PRIOR FILING DATE: 2003-02-11
; PRIOR APPLICATION NUMBER: US 60/356,086
; PRIOR FILING DATE: 2002-02-11
; PRIOR APPLICATION NUMBER: US 60/376,408
; PRIOR FILING DATE: 2002-04-29
; PRIOR APPLICATION NUMBER: US 60/428,807
; PRIOR FILING DATE: 2002-11-25
; NUMBER OF SEQ ID NOS: 118
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 115
; LENGTH: 110
; TYPE: PRT
; ORGANISM: human
US-10-452-593-115

Query Match 92.5%; Score 532; DB 5; Length 110;
Best Local Similarity 91.7%; Pred. No. 2.3e-39;
Matches 99; Conservative 8; Mismatches 1; Indels 0; Gaps 0;

OY 1 SYVLTOPPVSVAAPGQARITTCGGDNIGSKSVNMFQOKPGQAPVLYVYDDNERPSGISER 60
|||
DB 3 SYVLTOPPVSVAAPGQARITTCGGDNIGSKSVNMFQOKPGQAPVLYVYDDSDRPSGIPDR 62

OY 61 FSGNSGNTATLTISRVEAGDEADYCCQWMDSSDHVVFGGGTGTLTVL 108
|||
DB 63 FSGNSGNTATLTISRVEAGDEADYCCQWMDSSDHVVFGGGTGTLTVL 110

RESULT 7

US-10-251-085B-175
; Sequence 175, Application US/10251085B
; Publication No. US20040072164A1
; GENERAL INFORMATION:
; APPLICANT: Bowdish, Katherine S.
; APPLICANT: Frederickson, Shana
; APPLICANT: Renshaw, Mark
; APPLICANT: Lin, Ying-Chi
; APPLICANT: Maruyama, Toshiaki
; TITLE OF INVENTION: ENGINEERED TEMPLATES AND THEIR USE IN SINGLE PRIMER AMPLIFICATION
; FILE REFERENCE: 1087-21
; CURRENT APPLICATION NUMBER: US/10/251,085B
; PRIOR FILING DATE: 2002-09-19
; PRIOR APPLICATION NUMBER: US 60/323,455
; PRIOR FILING DATE: 2001-09-19
; NUMBER OF SEQ ID NOS: 278
; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 175
; LENGTH: 111
; TYPE: PRT
; ORGANISM: human
US-10-251-085B-175

Query Match 91.6%; Score 526.5; DB 4; Length 111;
Best Local Similarity 92.7%; Pred. No. 7.1e-39;
Matches 101; Conservative 5; Mismatches 2; Indels 1; Gaps 1;

OY 1 SYVLTOPPVSVAAPGQARITTCGGDNIGSKSVNMFQOKPGQAPVLYVYDDNERPSGISER 60
|||
DB 3 SYVLTOPPVSVAAPGQARITTCGGDNIGSKSVNMFQOKPGQAPVLYVYDDSDRPSGIPDR 62

OY 61 FSGNSGNTATLTISRVEAGDEADYCCQWMDSSDHVVFGGGTGTLTVL 108
|||
DB 63 FSGNSGNTATLTISRVEAGDEADYCCQWMDSSDHVVFGGGTGTLTVL 111

RESULT 8

US-10-737-252-175
; Sequence 175, Application US/10737252
; Publication No. US2004017536A1
; GENERAL INFORMATION:
; APPLICANT: Bowdish, Katherine S.
; APPLICANT: Frederickson, Shana
; APPLICANT: Renshaw, Mark
; APPLICANT: Lin, Ying-Chi
; APPLICANT: Maruyama, Toshiaki
; TITLE OF INVENTION: ENGINEERED TEMPLATES AND THEIR USE IN SINGLE PRIMER AMPLIFICATION
; FILE REFERENCE: 1087-21 CIP
; CURRENT APPLICATION NUMBER: US/10/737,252
; CURRENT FILING DATE: 2003-12-15
; PRIOR APPLICATION NUMBER: US 10/251,085
; PRIOR FILING DATE: 2002-09-19
; PRIOR APPLICATION NUMBER: US 60/323,455
; PRIOR FILING DATE: 2001-09-19
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 175
; LENGTH: 111
; TYPE: PRT
; ORGANISM: human
US-10-737-252-175

Query Match 91.6%; Score 526.5; DB 4; Length 111;
Best Local Similarity 92.7%; Pred. No. 7.1e-39;
Matches 101; Conservative 5; Mismatches 2; Indels 1; Gaps 1;

OY 1 SYVLTOPPVSVAAPGQARITTCGGDNIGSKSVNMFQOKPGQAPVLYVYDDNERPSGISER 60
|||
DB 3 SYVLTOPPVSVAAPGQARITTCGGDNIGSKSVNMFQOKPGQAPVLYVYDDSDRPSGIPDR 62

OY 61 FSGNSGNTATLTISRVEAGDEADYCCQWMDSSDHVVFGGGTGTLTVL 108
|||
DB 63 FSGNSGNTATLTISRVEAGDEADYCCQWMDSSDHVVFGGGTGTLTVL 111

RESULT 9

US-10-251-085B-163
; Sequence 163, Application US/10251085B
; Publication No. US20040072164A1
; GENERAL INFORMATION:
; APPLICANT: Bowdish, Katherine S.
; APPLICANT: Frederickson, Shana
; APPLICANT: Renshaw, Mark
; APPLICANT: Lin, Ying-Chi
; APPLICANT: Maruyama, Toshiaki
; TITLE OF INVENTION: ENGINEERED TEMPLATES AND THEIR USE IN SINGLE PRIMER AMPLIFICATION
; FILE REFERENCE: 1087-21
; CURRENT APPLICATION NUMBER: US/10/251,085B
; PRIOR FILING DATE: 2002-09-19
; PRIOR APPLICATION NUMBER: US 60/323,455

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/ PRIOR FILING DATE: 2001-09-19
/ NUMBER OF SEQ ID NOS: 278
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 163
/ LENGTH: 110
/ TYPE: PRT
/ ORGANISM: human
US-10-251-085B-163
```

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Query Match          91.1%; Score 524; DB 4; Length 110;
Best Local Similarity 90.7%; Pred. No. 1.2e-38;
Matches 98; Conservative 7; Mismatches 3; Indels 0; Gaps 0;
```

```
QY 1 SYVTLPSPSVVAPGQTARITCGDNIGSKSVNMFQOKPGQAPLVVYDDNERPSGISER 60
|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 3 SYVTLPSPSVVAPGQTARITCGDNIGSKSVNMFQOKPGQAPLVVYDDNERPSGISER 62
```

```
QY 61 FSGNSGNTATLTISRVEAGDEADYCCQWMDSSDHHVFGGCTKLTVL 108
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 63 FSGNSGNTATLTISRVEAGDEADYCCQWMDSSDHHVFGGCTKLTVL 110
```

```
RESULT 10
US-10-251-085B-166
/ Sequence 166, Application US/10251085B
/ Publication No. US20040072164A1
/ GENERAL INFORMATION:
/ APPLICANT: Bowdiah, Katherine S.
/ APPLICANT: Frederickson, Shana
/ APPLICANT: Renshaw, Mark
/ APPLICANT: Lin, Ying-Chi
/ APPLICANT: Maruyama, Toshiaki
/ TITLE OF INVENTION: ENGINEERED TEMPLATES AND THEIR USE IN SINGLE PRIMER AMPLIFICATION
/ FILE REFERENCE: 1087-21
/ CURRENT APPLICATION NUMBER: US/10/251,085B
/ PRIOR FILING DATE: 2002-09-19
/ PRIOR APPLICATION NUMBER: US 60/323,455
/ PRIOR FILING DATE: 2001-09-19
/ NUMBER OF SEQ ID NOS: 278
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 166
/ LENGTH: 110
/ TYPE: PRT
/ ORGANISM: human
US-10-251-085B-166
```

```
Query Match          91.1%; Score 524; DB 4; Length 110;
Best Local Similarity 94.3%; Pred. No. 1.2e-38;
Matches 100; Conservative 2; Mismatches 4; Indels 0; Gaps 0;
```

```
QY 3 VLTQPPSVVAPGQTARITCGDNIGSKSVNMFQOKPGQAPLVVYDDNERPSGISERFS 62
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 5 VLTQPPSVVAPGQTARITCGDNIGSKSVNMFQOKPGQAPLVVYDDNERPSGISERFS 64
```

```
QY 63 GNSGNTATLTISRVEAGDEADYCCQWMDSSDHHVFGGCTKLTVL 108
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 65 GNSGNTATLTISRVEAGDEADYCCQWMDSSDHHVFGGCTKLTVL 110
```

```
RESULT 11
US-10-737-252-163
/ Sequence 163, Application US/10737252
/ Publication No. US20040175736A1
/ GENERAL INFORMATION:
/ APPLICANT: Bowdiah, Katherine S.
/ APPLICANT: Frederickson, Shana
/ APPLICANT: Renshaw, Mark
/ APPLICANT: Lin, Ying-Chi
/ APPLICANT: Maruyama, Toshiaki
/ TITLE OF INVENTION: ENGINEERED TEMPLATES AND THEIR USE IN SINGLE PRIMER AMPLIFICATION
/ FILE REFERENCE: 1087-21 CIP
/ CURRENT APPLICATION NUMBER: US/10/737,252
/ CURRENT FILING DATE: 2003-12-15
```

```
/ PRIOR APPLICATION NUMBER: US 10/251,085
/ PRIOR FILING DATE: 2002-09-19
/ PRIOR APPLICATION NUMBER: US 60/323,455
/ PRIOR FILING DATE: 2001-09-19
/ NUMBER OF SEQ ID NOS: 309
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 163
/ LENGTH: 110
/ TYPE: PRT
/ ORGANISM: human
US-10-737-252-163
```

```
Query Match          91.1%; Score 524; DB 4; Length 110;
Best Local Similarity 90.7%; Pred. No. 1.2e-38;
Matches 98; Conservative 7; Mismatches 3; Indels 0; Gaps 0;
```

```
QY 1 SYVTLPSPSVVAPGQTARITCGDNIGSKSVNMFQOKPGQAPLVVYDDNERPSGISER 60
|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 3 SYVTLPSPSVVAPGQTARITCGDNIGSKSVNMFQOKPGQAPLVVYDDNERPSGISER 62
```

```
QY 61 FSGNSGNTATLTISRVEAGDEADYCCQWMDSSDHHVFGGCTKLTVL 108
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 63 FSGNSGNTATLTISRVEAGDEADYCCQWMDSSDHHVFGGCTKLTVL 110
```

```
RESULT 12
US-10-737-252-166
/ Sequence 166, Application US/10737252
/ Publication No. US20040175736A1
/ GENERAL INFORMATION:
/ APPLICANT: Bowdiah, Katherine S.
/ APPLICANT: Frederickson, Shana
/ APPLICANT: Renshaw, Mark
/ APPLICANT: Lin, Ying-Chi
/ APPLICANT: Maruyama, Toshiaki
/ TITLE OF INVENTION: ENGINEERED TEMPLATES AND THEIR USE IN SINGLE PRIMER AMPLIFICATION
/ FILE REFERENCE: 1087-21 CIP
/ CURRENT APPLICATION NUMBER: US/10/737,252
/ CURRENT FILING DATE: 2003-12-15
/ PRIOR APPLICATION NUMBER: US 10/251,085
/ PRIOR FILING DATE: 2002-09-19
/ PRIOR APPLICATION NUMBER: US 60/323,455
/ PRIOR FILING DATE: 2001-09-19
/ NUMBER OF SEQ ID NOS: 309
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 166
/ LENGTH: 110
/ TYPE: PRT
/ ORGANISM: human
US-10-737-252-166
```

```
Query Match          91.1%; Score 524; DB 4; Length 110;
Best Local Similarity 94.3%; Pred. No. 1.2e-38;
Matches 100; Conservative 2; Mismatches 4; Indels 0; Gaps 0;
```

```
QY 3 VLTQPPSVVAPGQTARITCGDNIGSKSVNMFQOKPGQAPLVVYDDNERPSGISERFS 62
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 5 VLTQPPSVVAPGQTARITCGDNIGSKSVNMFQOKPGQAPLVVYDDNERPSGISERFS 64
```

```
QY 63 GNSGNTATLTISRVEAGDEADYCCQWMDSSDHHVFGGCTKLTVL 108
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 65 GNSGNTATLTISRVEAGDEADYCCQWMDSSDHHVFGGCTKLTVL 110
```

```
RESULT 13
US-10-251-085B-168
/ Sequence 168, Application US/10251085B
/ Publication No. US20040072164A1
/ GENERAL INFORMATION:
/ APPLICANT: Bowdiah, Katherine S.
/ APPLICANT: Frederickson, Shana
/ APPLICANT: Renshaw, Mark
/ APPLICANT: Lin, Ying-Chi
```

```

; APPLICANT: Maruyama, Tooshiaki
; TITLE OF INVENTION: ENGINEERED TEMPLATES AND THEIR USE IN SINGLE PRIMER AMPLIFICATION
; FILE REFERENCE: 1087-21
; CURRENT APPLICATION NUMBER: US/10/251,085B
; PRIOR FILING DATE: 2002-09-19
; PRIOR APPLICATION NUMBER: US 60/323,455
; NUMBER OF SEQ ID NOS: 278
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 168
; LENGTH: 110
; TYPE: PRT
; ORGANISM: human
US-10-251-085B-168

```

```

Query Match          90.8%; Score 522; DB 4; Length 110;
Best Local Similarity 88.9%; Pred. No. 1.7e-38;
Matches 96; Conservative 11; Mismatches 1; Indels 0; Gaps 0;

```

```

Qy 1 SYVLTQPPSVVAPGQTARITCGDNIGSKSVNWFQOKPGQAPVLYVYDNERPSGISER 60
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 3 SYVLTQPPSVVAPGQTARITCGDNIGSKSVNWFQOKPGQAPVLYVYDSDRPSGIPER 62
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Qy 61 FSGSNGNTATLTISRVEAGDEADYCCQWDSDDHVFVGGGTGKLTVL 108
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 63 FSGSNGNTATLTISRVEAGDEADYHCQLMDTNDHVFVGGGTGKLTVL 110
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

```

```

RESULT 14
US-10-737-252-168
; Sequence 168, Application US/10737252
; Publication No. US2004017536A1
; GENERAL INFORMATION:
; APPLICANT: Bowdlen, Katherine S.
; APPLICANT: Frederickson, Shana
; APPLICANT: Renshaw, Mark
; APPLICANT: Lin, Ying-Chi
; APPLICANT: Maruyama, Tooshiaki
; TITLE OF INVENTION: ENGINEERED TEMPLATES AND THEIR USE IN SINGLE PRIMER AMPLIFICATION
; FILE REFERENCE: 1087-21 CIP
; CURRENT APPLICATION NUMBER: US/10/737,252
; PRIOR FILING DATE: 2003-12-15
; PRIOR APPLICATION NUMBER: US 10/251,085
; PRIOR FILING DATE: 2002-09-19
; PRIOR APPLICATION NUMBER: US 60/323,455
; PRIOR FILING DATE: 2001-09-19
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 168
; LENGTH: 110
; TYPE: PRT
; ORGANISM: human
US-10-737-252-168

```

```

Query Match          90.8%; Score 522; DB 4; Length 110;
Best Local Similarity 88.9%; Pred. No. 1.7e-38;
Matches 96; Conservative 11; Mismatches 1; Indels 0; Gaps 0;

```

```

Qy 1 SYVLTQPPSVVAPGQTARITCGDNIGSKSVNWFQOKPGQAPVLYVYDNERPSGISER 60
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 3 SYVLTQPPSVVAPGQTARITCGDNIGSKSVNWFQOKPGQAPVLYVYDSDRPSGIPER 62
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Qy 61 FSGSNGNTATLTISRVEAGDEADYCCQWDSDDHVFVGGGTGKLTVL 108
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 63 FSGSNGNTATLTISRVEAGDEADYHCQLMDTNDHVFVGGGTGKLTVL 110
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

```

```

RESULT 15
US-10-251-085B-170
; Sequence 170, Application US/10251085B
; Publication No. US20040072164A1
; GENERAL INFORMATION:
; APPLICANT: Bowdlen, Katherine S.

```

```

; APPLICANT: Frederickson, Shana
; APPLICANT: Renshaw, Mark
; APPLICANT: Lin, Ying-Chi
; APPLICANT: Maruyama, Tooshiaki
; TITLE OF INVENTION: ENGINEERED TEMPLATES AND THEIR USE IN SINGLE PRIMER AMPLIFICATION
; FILE REFERENCE: 1087-21
; CURRENT APPLICATION NUMBER: US/10/251,085B
; PRIOR FILING DATE: 2002-09-19
; PRIOR APPLICATION NUMBER: US 60/323,455
; NUMBER OF SEQ ID NOS: 278
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 170
; LENGTH: 110
; TYPE: PRT
; ORGANISM: human
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (26)..(26)
; OTHER INFORMATION: Xaa= encoding DNA had a "tga" stop codon in CDR1
US-10-251-085B-170

```

```

Query Match          90.4%; Score 520; DB 4; Length 110;
Best Local Similarity 92.5%; Pred. No. 2.6e-38;
Matches 98; Conservative 6; Mismatches 2; Indels 0; Gaps 0;

```

```

Qy 3 VLTQPPSVVAPGQTARITCGDNIGSKSVNWFQOKPGQAPVLYVYDNERPSGISERFS 62
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 5 VLTQPPSVVAPGQTARITCGDNIGSKSVNWFQOKPGQAPVLYVYDSDRPSGIPERFS 64
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Qy 63 GNSNGNTATLTISRVEAGDEADYCCQWDSDDHVFVGGGTGKLTVL 108
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 65 GNSNGNTATLTISRVEAGDEADYCCQWDSDDHVFVGGGTGKLTVL 110
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

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Search completed: June 28, 2006, 18:13:10
Job time : 49.5665 secs

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GenCore version 5.1.9
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: June 28, 2006, 17:39:29 ; Search time 3.40625 Seconds
(without alignments)
755.830 Million cell updates/sec

Title: US-10-687-118-4

Perfect score: 575
Sequence: 1 SYVLTQPPSVSVAPGQTARL.....WSSSDHVFEGGKTIVLG 109

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 103426 seqs, 23619683 residues

Total number of hits satisfying chosen parameters: 103426

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications_AA_New:*
1: /EMC_Ceiera_sids3/prodata/2/pubppaa/US09_NEW_PUB pep:*
2: /EMC_Ceiera_sids3/prodata/2/pubppaa/US06_NEW_PUB pep:*
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7: /EMC_Ceiera_sids3/prodata/2/pubppaa/US11_NEW_PUB pep:*
8: /EMC_Ceiera_sids3/prodata/2/pubppaa/US60_NEW_PUB pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	453	78.8	248	6	US-10-539-402-6
2	439	76.3	110	7	US-11-249-296-24
3	422.5	73.5	268	7	US-11-317-435-1
4	396	68.9	140	7	US-11-298-560-32
5	394.5	68.6	270	7	US-11-317-435-2
6	392	68.2	108	7	US-11-254-182-56
7	392	68.2	213	7	US-11-254-182-52
8	391	68.0	108	7	US-11-337-300-45
9	391	68.0	153	7	US-11-291-668-59
10	391	68.0	153	7	US-11-292-164-59
11	391	68.0	213	7	US-11-254-182-54
12	391	68.0	244	7	US-11-337-300-71
13	391	68.0	247	7	US-11-337-300-65
14	391	68.0	309	7	US-11-297-319-9
15	391	68.0	312	7	US-11-297-319-10
16	385	67.0	214	7	US-11-337-300-478
17	383	66.6	111	7	US-11-337-300-373
18	383	66.6	248	7	US-11-337-300-246
19	381	66.3	291	7	US-11-154-103-6
20	379	65.9	111	7	US-11-337-300-377
21	379	65.9	248	7	US-11-337-300-248
22	378	65.7	246	6	US-10-539-402-11
23	373	64.9	233	6	US-10-539-402-30
24	372.5	64.8	93	6	US-10-953-613C-1000
25	372.5	64.8	93	7	US-11-091-234A-20

26	363	63.1	290	7	US-11-169-140-2	Sequence 2, Appli
27	363	63.1	290	7	US-11-191-244-2	Sequence 2, Appli
28	363	63.1	296	7	US-11-169-140-12	Sequence 12, Appli
29	363	63.1	296	7	US-11-191-244-75	Sequence 75, Appli
30	362	63.0	113	7	US-11-337-300-325	Sequence 325, App
31	362	63.0	251	7	US-11-337-300-222	Sequence 222, App
32	354	61.6	112	7	US-11-249-296-50	Sequence 50, Appli
33	354	61.6	112	7	US-11-249-296-66	Sequence 66, Appli
34	353.5	61.5	111	7	US-11-249-296-78	Sequence 28, Appli
35	352.5	61.3	111	7	US-11-249-296-54	Sequence 54, Appli
36	352.5	61.3	111	7	US-11-249-296-74	Sequence 74, Appli
37	352	61.2	239	6	US-10-539-402-23	Sequence 23, Appli
38	352	61.2	295	7	US-11-154-103-7	Sequence 7, Appli
39	351	61.0	112	7	US-11-249-296-6	Sequence 4, Appli
40	350.5	61.0	113	7	US-11-249-296-62	Sequence 62, Appli
41	350.5	61.0	113	7	US-11-249-296-78	Sequence 78, Appli
42	349.5	60.8	235	6	US-10-539-402-33	Sequence 33, Appli
43	349	60.7	238	6	US-10-539-402-25	Sequence 25, Appli
44	348	60.5	110	7	US-11-249-296-56	Sequence 56, Appli
45	348	60.5	110	7	US-11-249-296-70	Sequence 70, Appli

ALIGNMENTS

```
RESULT 1
US-10-539-402-6
; Sequence 6, Application US/10539402
; Publication No. US20060115477A1
; GENERAL INFORMATION:
; APPLICANT: Xerion Pharmaceuticals AG
; TITLE OF INVENTION: Neurofilin-1 Inhibitor
; FILE REFERENCE: XE12ERC
; CURRENT APPLICATION NUMBER: US/10/539,402
; PRIOR FILING DATE: 2005-06-17
; PRIOR APPLICATION NUMBER: US 60/435,893
; PRIOR FILING DATE: 2002-12-20
; PRIOR APPLICATION NUMBER: EP 03000615
; NUMBER OF SEQ ID NOS: 108
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 248
; TYPE: PRT
; ORGANISM: human
US-10-539-402-6

Query Match      78.8%; Score 453; DB 6; Length 248;
Best Local Similarity 78.0%; Pred. No. 4.5e-36;
Matches 85; Conservative 10; Mismatches 14; Indels 0; Gaps 0;

QY      1 SYVLTQPPSVSVAPGQTARITCGDNITGSKSVNFOQKPGQAPVLYVDNERPSGISER 60
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB      137 SYVLTQPPSVSVAPGQTARITCGGRSISGKVVHYQKPGQAPVLYVDNERPSGISER 196
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY      61 FGSNSGNTATLTTSRVAGDEADYQCVWMDSSDHVFGGKTIVLG 109
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB      197 FGSNSRLSATLTTSRVAGDEADYQCVWMDSSDHVFGGKTIVLG 245
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

RESULT 2
US-11-249-296-24
; Sequence 24, Application US/11249296
; Publication No. US20060115428A1
; GENERAL INFORMATION:
; APPLICANT: Schering Aktiengesellschaft
; TITLE OF INVENTION: Identification and Characterization of Function-Blocking
; TITLE OF INVENTION: Anti-ED-B-Fibronectin Antibodies
; FILE REFERENCE: 33042P DE (WMO)
; CURRENT APPLICATION NUMBER: US/11/249,296
; CURRENT FILING DATE: 2005-10-14
; NUMBER OF SEQ ID NOS: 90
```

```
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 24
/ LENGTH: 110
/ TYPE: PRT
/ ORGANISM: human
US-11-249-296-24
```

```
Query Match
Best Local Similarity 76.3%; Score 439; DB 7; Length 110;
Matches 84; Conservative 8; Mismatches 14; Indels 0; Gaps 0;
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```
QY 4 LTQPPSVSVAPEGQTARITCGDNIGSKSVNMFQKPGQAPVLVYVDNERPSGISERFSG 63
DB 4 LTQPPSVSVAPEGQTARITCGDNIGSKSVNMFQKPGQAPVLVYVDNERPSGISERFSG 63
```

```
QY 64 SMSGNTATLTISRVEAGDEADYVCQWDSDDHVFVGGGKTLTVLG 109
DB 64 SMSGNTATLTISRVEAGDEADYVCQWDSDDHVFVGGGKTLTVLG 109
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RESULT 3
US-11-317-435-1
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```
/ Sequence 1, Application US/11317435
/ Publication No. US20060110324A1
/ GENERAL INFORMATION:
/ APPLICANT: Ratsch, Kevin Paul
/ APPLICANT: Curiel, David T.
/ APPLICANT: Bonner, James Allen
/ TITLE OF INVENTION: Human Anti-Epidermal Growth Factor Receptor
/ TITLE OF INVENTION: Single-Chain Antibodies
/ FILE REFERENCE: D6355
/ CURRENT APPLICATION NUMBER: US/11/317,435
/ CURRENT FILING DATE: 2005-12-23
/ PRIOR APPLICATION NUMBER: US/10/703,277
/ PRIOR FILING DATE: 2003-11-06
/ PRIOR APPLICATION NUMBER: US/09/976,118
/ PRIOR FILING DATE: 2001-10-12
/ PRIOR APPLICATION NUMBER: US 60/240,353
/ PRIOR FILING DATE: 2000-10-13
/ NUMBER OF SEQ ID NOS: 2
/ SEQ ID NO 1
/ LENGTH: 268
/ TYPE: PRT
/ ORGANISM: artificial sequence
/ FEATURE:
/ OTHER INFORMATION: amino acid sequence of anti-EGFR scfv
US-11-317-435-1
```

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Query Match
Best Local Similarity 73.5%; Score 422.5; DB 7; Length 268;
Matches 79; Conservative 12; Mismatches 15; Indels 1; Gaps 1;
```

```
QY 3 VTQPPSVSVAPEGQTARITCGDNIGSKSVNMFQKPGQAPVLVYVDNERPSGISERFSG 62
DB 145 VTQPPSVSVAPEGQTARITCGDNIGSKSVNMFQKPGQAPVLVYVDNERPSGISERFSG 204
```

```
QY 63 GSNNGTATLTISRVEAGDEADYVCQWDSDDHVFVGGGKTLTVLG 109
DB 205 GSNNGTATLTISRVEAGDEADYVCQWDSDDHVFVGGGKTLTVLG 250
```

```
RESULT 4
US-11-298-560-32
```

```
/ Sequence 32, Application US/11298560
/ Publication No. US20060115474A1
/ GENERAL INFORMATION:
/ APPLICANT: Jacquemin, Marc
/ APPLICANT: Sainet-Remy, Jean-Marie
/ TITLE OF INVENTION: Ligands For Use In Therapeutic Compositions For The Treatment of
/ TITLE OF INVENTION: Hemostasis Disorders
/ FILE REFERENCE: 50304/110001
/ CURRENT APPLICATION NUMBER: US/11/298,560
```

```
/ CURRENT FILING DATE: 2005-12-09
/ PRIOR APPLICATION NUMBER: US 10/030,522
/ PRIOR FILING DATE: 2002-05-02
/ PRIOR APPLICATION NUMBER: PCT/EP2000/06677
/ PRIOR FILING DATE: 2000-07-13
/ PRIOR APPLICATION NUMBER: 60/143,891
/ PRIOR FILING DATE: 1999-07-14
/ PRIOR APPLICATION NUMBER: GB9916450.1
/ PRIOR FILING DATE: 1999-07-14
/ PRIOR APPLICATION NUMBER: PCT/BE2004/000118
/ PRIOR FILING DATE: 2004-08-16
/ PRIOR APPLICATION NUMBER: GB0319118.6
/ PRIOR FILING DATE: 2003-08-14
/ PRIOR APPLICATION NUMBER: GB0319345.5
/ PRIOR FILING DATE: 2003-08-18
/ NUMBER OF SEQ ID NOS: 48
/ SOFTWARE: PatentIn version 3.3
/ SEQ ID NO 32
/ LENGTH: 140
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-11-298-560-32
```

```
Query Match
Best Local Similarity 68.3%; Score 396; DB 7; Length 140;
Matches 74; Conservative 13; Mismatches 16; Indels 2; Gaps 1;
```

```
QY 4 LTQPPSVSVAPEGQTARITCGDNIGSKSVNMFQKPGQAPVLVYVDNERPSGISERFSG 63
DB 23 LTQPPSVSVAPEGQTARITCGDNIGSKSVNMFQKPGQAPVLVYVDNERPSGISERFSG 82
```

```
QY 64 SMSGNTATLTISRVEAGDEADYVCQWDSDDHVFVGGGKTLTVLG 108
DB 83 SMSGNTATLTISRVEAGDEADYVCQWDSDDHVFVGGGKTLTVLG 125
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```
RESULT 5
US-11-317-435-2
```

```
/ Sequence 2, Application US/11317435
/ Publication No. US20060110324A1
/ GENERAL INFORMATION:
/ APPLICANT: Ratsch, Kevin Paul
/ APPLICANT: Curiel, David T.
/ APPLICANT: Bonner, James Allen
/ TITLE OF INVENTION: Human Anti-Epidermal Growth Factor Receptor
/ TITLE OF INVENTION: Single-Chain Antibodies
/ FILE REFERENCE: D6355
/ CURRENT APPLICATION NUMBER: US/11/317,435
/ CURRENT FILING DATE: 2005-12-23
/ PRIOR APPLICATION NUMBER: US/10/703,277
/ PRIOR FILING DATE: 2003-11-06
/ PRIOR APPLICATION NUMBER: US/09/976,118
/ PRIOR FILING DATE: 2001-10-12
/ PRIOR APPLICATION NUMBER: US 60/240,353
/ PRIOR FILING DATE: 2000-10-13
/ NUMBER OF SEQ ID NOS: 2
/ SEQ ID NO 2
/ LENGTH: 270
/ TYPE: PRT
/ ORGANISM: artificial sequence
/ FEATURE:
/ OTHER INFORMATION: amino acid sequence of anti-EGFR scfv
US-11-317-435-2
```

```
Query Match
Best Local Similarity 68.6%; Score 394.5; DB 7; Length 270;
Matches 75; Conservative 11; Mismatches 19; Indels 1; Gaps 1;
```

```
QY 4 LTQPPSVSVAPEGQTARITCGDNIGSKSVNMFQKPGQAPVLVYVDNERPSGISERFSG 63
DB 148 LTQPPSVSVAPEGQTARITCGDNIGSKSVNMFQKPGQAPVLVYVDNERPSGISERFSG 207
```


Qy 64 SNSGNTATLTISRVEAGDEADYCCQWMDSSDHVVFGGGTCLTVLG 109
Db 208 SNSGNTSLTITGTGAQAEDEADYCCQAMDST-AVFGGTTCLTVLG 252

RESULT 6

US-11-254-182-56
; Sequence 56, Application US/11254182
; Publication No. US20060088523A1
; GENERAL INFORMATION:
; APPLICANT: ANDYA, JAMES
; APPLICANT: GMBE, SHIANG C.
; APPLICANT: LIU, JUN
; APPLICANT: SHEN, YE
; TITLE OF INVENTION: ANTIBODY FORMULATIONS
; FILE REFERENCE: P2104R1
; CURRENT APPLICATION NUMBER: US/11/254,182
; CURRENT FILING DATE: 2005-10-19
; PRIOR APPLICATION NUMBER: US 60/620,413
; PRIOR FILING DATE: 2004-10-20
; NUMBER OF SEQ ID NOS: 74
; SEQ ID NO 56
; LENGTH: 108
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Sequence is synthesized.
US-11-254-182-56

Query Match 68.2%; Score 392; DB 7; Length 108;
Best Local Similarity 70.8%; Pred. No. 1.1e-30;
Matches 75; Conservative 12; Mismatches 19; Indels 0; Gaps 0;

Qy 4 LTQPPSVAVAGQFARITCGDNGSKSVNFPQKPGAPLVVYDDNERPSGISERFSG 63
Db 3 LTQPPAVSVALGQFVRITCGSDSLRSYASWYQKPGAPLVVYGGANNRPSGIPDRFSG 62

Qy 64 SNSGNTATLTISRVEAGDEADYCCQWMDSSDHVVFGGGTCLTVLG 109
Db 63 SNSGNTASLTITGAQAEDEADYCCNSADSGNHVVFGGGTCLTVLG 108

RESULT 7

US-11-254-182-52
; Sequence 52, Application US/11254182
; Publication No. US20060088523A1
; GENERAL INFORMATION:
; APPLICANT: ANDYA, JAMES
; APPLICANT: GMBE, SHIANG C.
; APPLICANT: LIU, JUN
; APPLICANT: SHEN, YE
; TITLE OF INVENTION: ANTIBODY FORMULATIONS
; FILE REFERENCE: P2104R1
; CURRENT APPLICATION NUMBER: US/11/254,182
; CURRENT FILING DATE: 2005-10-19
; PRIOR APPLICATION NUMBER: US 60/620,413
; PRIOR FILING DATE: 2004-10-20
; NUMBER OF SEQ ID NOS: 74
; SEQ ID NO 52
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Sequence is synthesized.
US-11-254-182-52

Query Match 68.2%; Score 392; DB 7; Length 213;
Best Local Similarity 70.8%; Pred. No. 2.3e-30;
Matches 75; Conservative 12; Mismatches 19; Indels 0; Gaps 0;

Qy 4 LTQPPSVAVAGQFARITCGDNGSKSVNFPQKPGAPLVVYDDNERPSGISERFSG 63
Db 3 LTQPPAVSVALGQFVRITCGSDSLRSYASWYQKPGAPLVVYGGANNRPSGIPDRFSG 62

Qy 64 SNSGNTATLTISRVEAGDEADYCCQWMDSSDHVVFGGGTCLTVLG 109
Db 63 SNSGNTASLTITGAQAEDEADYCCNSADSGNHVVFGGGTCLTVLG 108

RESULT 8

US-11-337-300-45
; Sequence 45, Application US/11337300
; Publication No. US20060121580A1
; GENERAL INFORMATION:
; APPLICANT: Crucell Holland B.V.
; APPLICANT: ter Meulen, Jan H.
; APPLICANT: De Kruif, Cornelis A.
; APPLICANT: van den Brink, Edward N.
; APPLICANT: Goudsmit, Jaap
; TITLE OF INVENTION: Binding molecules against SARS-coronavirus and uses thereof
; FILE REFERENCE: 0091 WO 00 ORD
; CURRENT APPLICATION NUMBER: US/11/337,300
; CURRENT FILING DATE: 2006-01-20
; NUMBER OF SEQ ID NOS: 478
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 45
; LENGTH: 108
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Variable light chain of SC03-012 and SC03-015
US-11-337-300-45

Query Match 68.0%; Score 391; DB 7; Length 108;
Best Local Similarity 70.8%; Pred. No. 1.4e-30;
Matches 75; Conservative 12; Mismatches 19; Indels 0; Gaps 0;

Qy 4 LTQPPSVAVAGQFARITCGDNGSKSVNFPQKPGAPLVVYDDNERPSGISERFSG 63
Db 3 LTQPPAVSVALGQFVRITCGSDSLRSYASWYQKPGAPLVVYGGANNRPSGIPDRFSG 62

Qy 64 SNSGNTATLTISRVEAGDEADYCCQWMDSSDHVVFGGGTCLTVLG 109
Db 63 SNSGNTASLTITGAQAEDEADYCCNSRDSGNHVVFGGGTCLTVLG 108

RESULT 9

US-11-291-668-59
; Sequence 59, Application US/11291668
; Publication No. US20060117394A1
; GENERAL INFORMATION:
; APPLICANT: Robt, James M.
; APPLICANT: Goldsby, Richard A.
; APPLICANT: Ferguson, Stacy E.
; APPLICANT: Kuroiwa, Yoshima
; APPLICANT: Tomizuka, Kazuma
; APPLICANT: Ishida, Isao
; TITLE OF INVENTION: Expression of Xenogenous (Human)
; FILE REFERENCE: 50195/008003
; CURRENT APPLICATION NUMBER: US/11/291,668
; CURRENT FILING DATE: 2005-12-01
; PRIOR APPLICATION NUMBER: US/09/988,115
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US 60/311,625
; PRIOR FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: US 60/256,458
; PRIOR FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: US 09/714,185
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: US 60/166,410
; PRIOR FILING DATE: 1999-11-19
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 59
; LENGTH: 153

```
; TYPE: PRT
; ORGANISM: Bovine
US-11-291-668-59

Query Match      68.0%; Score 391; DB 7; Length 153;
Best Local Similarity 70.8%; Pred. No. 2e-30;
Matches 75; Conservative 12; Mismatches 19; Indels 0; Gaps 0;

QY 4 LTQPSVVAAGQTARITCGDNIGSKSVWVFOQKPGQAPVLVYVDNERPSGISERFSG 63
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 22 LTQDPAVSVALGQTVAITCGDSLRSYASWYQKPGQAPVLVYIGKNRPSGIPDRFSG 81
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

QY 64 SNSGNTATLTISRVEAGDEADYVCQVWSSSDHVFVGGGTKLTVLG 109
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 82 SSSGNTASLTITGAQAEDEADYVCNSRSDSSGNHVFVGGGTKLTVLG 127
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

RESULT 10
US-11-292-164-59
; Sequence 59, Application US/11292164
; Publication No. US20060117395A1
; GENERAL INFORMATION:
; APPLICANT: KODI, James M.
; APPLICANT: Goldsby, Richard A.
; APPLICANT: Ferguson, Stacy E.
; APPLICANT: Kuroiwa, Yoshima
; APPLICANT: Tomizuka, Kazuma
; APPLICANT: Iehida, Isao
; TITLE OF INVENTION: Expression of Xenogenous (Human)
; TITLE OF INVENTION: Immunoglobulins in Cloned, Transgenic Ungulates
; FILE REFERENCE: 50195/008003
; CURRENT APPLICATION NUMBER: US/11/292,164
; PRIOR FILING DATE: 2005-12-01
; PRIOR APPLICATION NUMBER: US/09/988,115
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US 60/311,625
; PRIOR FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: US 60/256,458
; PRIOR FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: US 09/714,185
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: US 60/166,410
; PRIOR FILING DATE: 1999-11-19
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 59
; LENGTH: 153
; TYPE: PRT
; ORGANISM: Bovine
US-11-292-164-59

Query Match      68.0%; Score 391; DB 7; Length 153;
Best Local Similarity 70.8%; Pred. No. 2e-30;
Matches 75; Conservative 12; Mismatches 19; Indels 0; Gaps 0;

QY 4 LTQPSVVAAGQTARITCGDNIGSKSVWVFOQKPGQAPVLVYVDNERPSGISERFSG 63
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 22 LTQDPAVSVALGQTVAITCGDSLRSYASWYQKPGQAPVLVYIGKNRPSGIPDRFSG 81
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

QY 64 SNSGNTATLTISRVEAGDEADYVCQVWSSSDHVFVGGGTKLTVLG 109
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 82 SSSGNTASLTITGAQAEDEADYVCNSRSDSSGNHVFVGGGTKLTVLG 127
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

RESULT 11
US-11-254-182-54
; Sequence 54, Application US/11254182
; Publication No. US20060088523A1
; GENERAL INFORMATION:
; APPLICANT: ANDYA, JAMES
; APPLICANT: GMEE, SHIANG C.
; APPLICANT: LIU, JUN
; APPLICANT: SHEN, YE
```

```
; TITLE OF INVENTION: ANTIBODY FORMULATIONS
; FILE REFERENCE: P2104R1
; CURRENT APPLICATION NUMBER: US/11/254,182
; CURRENT FILING DATE: 2005-10-19
; PRIOR APPLICATION NUMBER: US 60/620,413
; PRIOR FILING DATE: 2004-10-20
; NUMBER OF SEQ ID NOS: 74
; SEQ ID NO 54
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Sequence is synthesized.
US-11-254-182-54

Query Match      68.0%; Score 391; DB 7; Length 213;
Best Local Similarity 70.8%; Pred. No. 2.8e-30;
Matches 75; Conservative 12; Mismatches 19; Indels 0; Gaps 0;

QY 4 LTQPSVVAAGQTARITCGDNIGSKSVWVFOQKPGQAPVLVYVDNERPSGISERFSG 63
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 3 LTQDPAVSVALGQTVAITCGDSLRSYASWYQKPGQAPVLVYIGKNRPSGIPDRFSG 62
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

QY 64 SNSGNTATLTISRVEAGDEADYVCQVWSSSDHVFVGGGTKLTVLG 109
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 63 SSSGNTASLTITGAQAEDEADYVCNSRSDSSGNHVFVGGGTKLTVLG 108
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

RESULT 12
US-11-337-300-71
; Sequence 71, Application US/11337300
; Publication No. US20060121580A1
; GENERAL INFORMATION:
; APPLICANT: Crucell Holland B.V.
; APPLICANT: ter Meulen, Jan H.
; APPLICANT: De Kruijf, Cornelis A.
; APPLICANT: van den Brink, Edward N.
; APPLICANT: Goudemits, Jaap
; TITLE OF INVENTION: Binding molecules against SARS-coronavirus and uses thereof
; FILE REFERENCE: 0091 WO 00 ORD
; CURRENT APPLICATION NUMBER: US/11/337,300
; CURRENT FILING DATE: 2006-01-20
; NUMBER OF SEQ ID NOS: 478
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 71
; LENGTH: 244
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: SC03-015
US-11-337-300-71

Query Match      68.0%; Score 391; DB 7; Length 244;
Best Local Similarity 70.8%; Pred. No. 3.3e-30;
Matches 75; Conservative 12; Mismatches 19; Indels 0; Gaps 0;

QY 4 LTQPSVVAAGQTARITCGDNIGSKSVWVFOQKPGQAPVLVYVDNERPSGISERFSG 63
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 136 LTQDPAVSVALGQTVAITCGDSLRSYASWYQKPGQAPVLVYIGKNRPSGIPDRFSG 195
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

QY 64 SNSGNTATLTISRVEAGDEADYVCQVWSSSDHVFVGGGTKLTVLG 109
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 196 SSSGNTASLTITGAQAEDEADYVCNSRSDSSGNHVFVGGGTKLTVLG 241
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

RESULT 13
US-11-337-300-65
; Sequence 65, Application US/11337300
; Publication No. US20060121580A1
; GENERAL INFORMATION:
; APPLICANT: Crucell Holland B.V.
; APPLICANT: ter Meulen, Jan H.
; APPLICANT: De Kruijf, Cornelis A.
```


Query Match 68.0%; Score 391; DB 7; Length 312;
Best Local Similarity 70.8%; Pred. No. 4.3e-30;
Matches 75; Conservative 12; Mismatches 19; Indels 0; Gaps 0;
QY 4 LTQPPSYVAPGQTARTTCGGDNIGSKSVWFQOKPGQAPVLYVYDDNERPSGISERFSG 63
Db 181 LTQDPAVSVVALGQTVRITCGDSDLSRYASWYQOKPGQAPVLYYGKNNRPSGIPDRFSG 240
QY 64 SNSGNTATLTISRVEAGDBADYCCQVWSSSDHYVFGGTRKLTIVLG 109
Db 241 SSSGNTBSLTTTGAQAEDEADYICNSRDSGNNHVFGGGTRKLTIVLG 286

Search completed: June 28, 2006, 17:40:51
Job time : 3.40625 secs

GenCore version 5.1.9
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OM protein - protein search, using sw model

Run on: June 28, 2006, 17:36:38 ; Search time 13.7601 Seconds
(without alignments)
667.926 Million cell updates/sec

Title: US-10-687-118-5

Perfect score: 548
Sequence: 1 QPKAAPSVTLPFPPSSEELQA.....COVTHSGTVEKTVAPTECS 105

Scoring table: BIOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 650591 seqs, 87530628 residues

Total number of hits satisfying chosen parameters: 650591

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :
1: Issued Patents AA:.*
2: /EMC_Celerra_SIDS3/pcodata/2/iaa/5_COMB.pep:.*
3: /EMC_Celerra_SIDS3/pcodata/2/iaa/6_COMB.pep:.*
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6: /EMC_Celerra_SIDS3/pcodata/2/iaa/RE_COMB.pep:.*
7: /EMC_Celerra_SIDS3/pcodata/2/iaa/backfile1.pep:.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	548	100.0	105	1 US-08-422-101-9	Sequence 9, Appli
2	548	100.0	105	1 US-08-422-091-9	Sequence 9, Appli
3	548	100.0	105	1 US-08-422-092-9	Sequence 9, Appli
4	548	100.0	105	1 US-08-788-800-6	Sequence 6, Appli
5	548	100.0	105	2 US-08-422-093-9	Sequence 9, Appli
6	548	100.0	105	2 US-08-422-112-9	Sequence 9, Appli
7	548	100.0	105	2 US-09-628-568A-9	Sequence 9, Appli
8	548	100.0	109	1 US-08-761-277A-51	Sequence 51, Appli
9	548	100.0	233	2 US-08-523-894-6	Sequence 6, Appli
10	548	100.0	234	2 US-08-487-550-2	Sequence 2, Appli
11	548	100.0	234	2 US-09-526-098-2	Sequence 2, Appli
12	548	100.0	234	2 US-09-383-916-2	Sequence 2, Appli
13	548	100.0	234	2 US-09-758-173-2	Sequence 2, Appli
14	548	100.0	234	2 US-09-576-424-2	Sequence 2, Appli
15	548	100.0	235	1 US-08-378-939-12	Sequence 12, Appli
16	548	100.0	235	1 US-09-049-672A-10	Sequence 10, Appli
17	548	100.0	235	2 US-09-152-060-70	Sequence 70, Appli
18	548	100.0	235	2 US-09-852-797-70	Sequence 70, Appli
19	548	100.0	235	2 US-09-853-161-70	Sequence 70, Appli
20	548	100.0	235	2 US-10-058-993-70	Sequence 70, Appli
21	548	100.0	236	2 US-08-487-550-10	Sequence 10, Appli
22	548	100.0	236	2 US-09-526-098-10	Sequence 10, Appli
23	548	100.0	236	2 US-09-383-916-10	Sequence 10, Appli
24	548	100.0	236	2 US-09-758-173-10	Sequence 10, Appli
25	548	100.0	236	2 US-09-576-424-10	Sequence 10, Appli
26	545	99.5	235	2 US-09-049-672A-12	Sequence 12, Appli

27	545	99.5	235	2 US-09-152-060-88	Sequence 88, Appli
28	545	99.5	235	2 US-09-852-797-88	Sequence 88, Appli
29	545	99.5	235	2 US-09-853-161-88	Sequence 88, Appli
30	545	99.5	235	2 US-10-058-993-88	Sequence 88, Appli
31	545	99.5	236	2 US-09-049-672A-7	Sequence 7, Appli
32	545	99.5	240	2 US-09-049-672A-11	Sequence 11, Appli
33	543	99.1	106	2 US-09-313-942-14	Sequence 14, Appli
34	543	99.1	106	2 US-10-282-162-14	Sequence 14, Appli
35	535	97.6	104	2 US-09-025-769B-170	Sequence 170, App
36	535	97.6	104	2 US-09-490-070A-170	Sequence 170, App
37	535	97.6	104	2 US-09-490-153-170	Sequence 170, App
38	535	97.6	104	2 US-09-490-324-170	Sequence 170, App
39	529	96.5	153	2 US-10-094-749-2969	Sequence 2969, Ap
40	521	95.1	234	2 US-09-372-425A-4	Sequence 4, Appli
41	495	90.3	238	2 US-08-793-450-6	Sequence 6, Appli
42	466	85.0	105	1 US-08-646-981-3	Sequence 3, Appli
43	450	82.1	105	1 US-08-436-463-10	Sequence 10, Appli
44	450	82.1	105	1 US-08-024-253-10	Sequence 10, Appli
45	445	81.2	145	2 US-09-949-016-8908	Sequence 8908, Ap

ALIGNMENTS

RESULT 1
US-08-422-101-9
Sequence 9, Application US/08422101
Patent No. 5739277
GENERAL INFORMATION:
APPLICANT: Leonard Presta
APPLICANT: Brad Snedecor
TITLE OF INVENTION: Altered Polypeptides with Increased
NUMBER OF INVENTION: Half-Life
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/422.101
FILING DATE: 14-APR-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER:
REFERENCE/DOCKET NUMBER: 932-3
TELEPHONE: 415/225-1994
TELEFAX: 415/952-9881
TELEPHONE: 910/371-7168
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 105 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-422-101-9
Query Match 100.0%; Score 548; DB 1; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 QPKAAPSVTLPFPPSSEELQANKATLVCLISDFPGAVTVAMKADSPYKAGVETTTSPQ 60

Db 1 QPKAAPSVTLFPPSSEELQANKATLVCLISDFYPGAVTAMKADSSPVKAGVETTTPSKQ 60
QY 61 SNNKYAASVTLTPPEQWMSHRYSQCVTHEGSTVEKTVAPTECS 105
Db 61 SNNKYAASVTLTPPEQWMSHRYSQCVTHEGSTVEKTVAPTECS 105

RESULT 2

US-08-422-091-9
Sequence 9, Application US/08422091
Patent No. 5747035
GENERAL INFORMATION:
APPLICANT: Leonard Presta
TITLE OF INVENTION: Altered Polypeptides with Increased
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/422,091
FILING DATE: 14-APR-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER:
REFERENCE/DOCKET NUMBER: 932-6
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1994
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 105 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-422-091-9

Query Match 100.0%; Score 548; DB 1; Length 105;
Best Local Similarity 100.0%; Pred. No. 2,6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 QPKAAPSVTLFPPSSEELQANKATLVCLISDFYPGAVTAMKADSSPVKAGVETTTPSKQ 60
Db 1 QPKAAPSVTLFPPSSEELQANKATLVCLISDFYPGAVTAMKADSSPVKAGVETTTPSKQ 60
QY 61 SNNKYAASVTLTPPEQWMSHRYSQCVTHEGSTVEKTVAPTECS 105
Db 61 SNNKYAASVTLTPPEQWMSHRYSQCVTHEGSTVEKTVAPTECS 105

RESULT 3

US-08-422-092-9
Sequence 9, Application US/08422092
Patent No. 5869046
GENERAL INFORMATION:
APPLICANT: Leonard Presta
APPLICANT: Brad Snedecor
TITLE OF INVENTION: Altered Polypeptides with Increased

TITLE OF INVENTION: Half-Life
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/422,092
FILING DATE: 14-APR-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER:
REFERENCE/DOCKET NUMBER: 932-4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1994
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 105 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-422-092-9

Query Match 100.0%; Score 548; DB 1; Length 105;
Best Local Similarity 100.0%; Pred. No. 2,6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 QPKAAPSVTLFPPSSEELQANKATLVCLISDFYPGAVTAMKADSSPVKAGVETTTPSKQ 60
Db 1 QPKAAPSVTLFPPSSEELQANKATLVCLISDFYPGAVTAMKADSSPVKAGVETTTPSKQ 60
QY 61 SNNKYAASVTLTPPEQWMSHRYSQCVTHEGSTVEKTVAPTECS 105
Db 61 SNNKYAASVTLTPPEQWMSHRYSQCVTHEGSTVEKTVAPTECS 105

RESULT 4

US-08-788-800-6
Sequence 6, Application US/08788800
Patent No. 5914112
GENERAL INFORMATION:
APPLICANT: Bednar, Martin M.
APPLICANT: Thomas, G. Roger
TITLE OF INVENTION: ANTI-CD18 ANTIBODIES IN STROKE
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/788,800

FILING DATE: 22-Jan-1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER: 40,378
REFERENCE/DOCKET NUMBER: P098771
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1994
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 105 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-788-800-6

Query Match 100.0%; Score 548; DB 1; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QPKAPSVTLFPSSSEELQANKATLVCLISDFYPGAATVAMKADSSPVKAGVETTTPSKQ 60
DB 1 QPKAPSVTLFPSSSEELQANKATLVCLISDFYPGAATVAMKADSSPVKAGVETTTPSKQ 60
QY 61 SNNKYAASSYSLTPEQMKSHRSYSCQVTHGSTEVEKTVAPTECS 105
DB 61 SNNKYAASSYSLTPEQMKSHRSYSCQVTHGSTEVEKTVAPTECS 105

RESULT 5
US-08-422-093-9
Sequence 9, Application US/08422093
Patent No. 6096871

GENERAL INFORMATION:
APPLICANT: Leonard Presta
TITLE OF INVENTION: Altered Polypeptides with Increased
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/422.093
FILING DATE: 14-APR-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER:
REFERENCE/DOCKET NUMBER: 932
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1994
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 105 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-422-093-9

Query Match 100.0%; Score 548; DB 2; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QPKAPSVTLFPSSSEELQANKATLVCLISDFYPGAATVAMKADSSPVKAGVETTTPSKQ 60
DB 1 QPKAPSVTLFPSSSEELQANKATLVCLISDFYPGAATVAMKADSSPVKAGVETTTPSKQ 60
QY 61 SNNKYAASSYSLTPEQMKSHRSYSCQVTHGSTEVEKTVAPTECS 105
DB 61 SNNKYAASSYSLTPEQMKSHRSYSCQVTHGSTEVEKTVAPTECS 105

RESULT 6
US-08-422-112-9
Sequence 9, Application US/08422112
Patent No. 6121022

GENERAL INFORMATION:
APPLICANT: Leonard Presta
TITLE OF INVENTION: Altered Polypeptides with Increased
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/422.112
FILING DATE: 14-APR-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER:
REFERENCE/DOCKET NUMBER: 932-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1994
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 105 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-422-112-9

Query Match 100.0%; Score 548; DB 2; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QPKAPSVTLFPSSSEELQANKATLVCLISDFYPGAATVAMKADSSPVKAGVETTTPSKQ 60
DB 1 QPKAPSVTLFPSSSEELQANKATLVCLISDFYPGAATVAMKADSSPVKAGVETTTPSKQ 60
QY 61 SNNKYAASSYSLTPEQMKSHRSYSCQVTHGSTEVEKTVAPTECS 105
DB 61 SNNKYAASSYSLTPEQMKSHRSYSCQVTHGSTEVEKTVAPTECS 105

RESULT 7
US-09-628-568A-9

; Sequence 9, Application US/09628568A
; Patent No. 6998253
; GENERAL INFORMATION:
; APPLICANT: Presta, Leonard G.
; APPLICANT: Shedecor, Bradley R.
; TITLE OF INVENTION: ALTERED POLYPEPTIDES WITH INCREASED HALF-LIFE
; FILE REFERENCE: 11669.161USC1
; CURRENT APPLICATION NUMBER: US/09/628,568A
; CURRENT FILING DATE: 2000-07-31
; PRIOR APPLICATION NUMBER: US 08/422,112
; PRIOR FILING DATE: 1995-04-14
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 9
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-628-568A-9

Query Match 100.0%; Score 548; DB 2; Length 105;
Best Local Similarity 100.0%; Pred. No. 2, 6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QPKAAPSVTLPSPSSSELOANKATLVCLISDFYPGAVTVAMKADSSPVKAGVETTPSKQ 60
1 QPKAAPSVTLPSPSSSELOANKATLVCLISDFYPGAVTVAMKADSSPVKAGVETTPSKQ 60

DB 61 SNNKYAASSTLTPPEQWKSHRSYSCQVTHGSTEVEKVAPTPCS 105
61 SNNKYAASSTLTPPEQWKSHRSYSCQVTHGSTEVEKVAPTPCS 105

RESULT 8
US-08-761-277A-51

; Sequence 51, Application US/08761277A
; Patent No. 5972334
; GENERAL INFORMATION:
; APPLICANT: Denney Jr., Dan W.
; TITLE OF INVENTION: Vaccines For Treatment Of Lymphoma And
; TITLE OF INVENTION: Leukemia
; NUMBER OF SEQUENCES: 80
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Medlen & Carroll, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: California
; COUNTRY: United States Of America
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/761,277A
; FILING DATE: 06-DEC-1996
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/644,664
; FILING DATE: 01-MAY-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: GENTOP-02406
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 51:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 109 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein

US-08-761-277A-51

Query Match 100.0%; Score 548; DB 1; Length 109;
Best Local Similarity 100.0%; Pred. No. 2, 7e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QPKAAPSVTLPSPSSSELOANKATLVCLISDFYPGAVTVAMKADSSPVKAGVETTPSKQ 60
5 QPKAAPSVTLPSPSSSELOANKATLVCLISDFYPGAVTVAMKADSSPVKAGVETTPSKQ 64

DB 61 SNNKYAASSTLTPPEQWKSHRSYSCQVTHGSTEVEKVAPTPCS 105
65 SNNKYAASSTLTPPEQWKSHRSYSCQVTHGSTEVEKVAPTPCS 109

RESULT 9
US-08-523-894-6

; Sequence 6, Application US/08523894
; Patent No. 6136310
; GENERAL INFORMATION:
; APPLICANT: Hanna, Nabil
; APPLICANT: Newman, Roland A.
; TITLE OF INVENTION: Recombinant Anti-CD4 Antibodies for Human
; TITLE OF INVENTION: Therapy
; NUMBER OF SEQUENCES: 59
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BURNS, DONALD, SWECKER & MATHIAS
; STREET: 699 Prince Street
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22314-3187
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/523,894
; FILING DATE: 06-SEP-1995
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Teskin, Robin L.
; REGISTRATION NUMBER: 35,030
; REFERENCE/DOCKET NUMBER: 012712-165
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-836-6620
; TELEFAX: 703-836-2021
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 233 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein

US-08-523-894-6

Query Match 100.0%; Score 548; DB 2; Length 233;
Best Local Similarity 100.0%; Pred. No. 7, 6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QPKAAPSVTLPSPSSSELOANKATLVCLISDFYPGAVTVAMKADSSPVKAGVETTPSKQ 60
129 QPKAAPSVTLPSPSSSELOANKATLVCLISDFYPGAVTVAMKADSSPVKAGVETTPSKQ 168

DB 61 SNNKYAASSTLTPPEQWKSHRSYSCQVTHGSTEVEKVAPTPCS 105
189 SNNKYAASSTLTPPEQWKSHRSYSCQVTHGSTEVEKVAPTPCS 233

RESULT 10
US-08-487-550-2
; Sequence 2, Application US/08487550


```
Patent No. 6113898
GENERAL INFORMATION:
APPLICANT: Anderson, Darrell R.
TITLE OF INVENTION: "MONKEY MONOCLONAL ANTIBODIES SPECIFIC
TO HUMAN B7.1 AND/OR B7.2 PRIMATIZED FORMS THEREOF,
TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS
TITLE OF INVENTION: IMMUNOSUPPRESSANTS"
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince Street
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/487,550
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-131
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 234 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-487-550-2

Query Match 100.0%; Score 548; DB 2; Length 234;
Best Local Similarity 100.0%; Pred. No. 7.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QPKAPSVTLFPSSSEELQANKATLVCLISDFYGAVTVMKADSSPVKAGVETTTSKQ 60
DB 130 QPKAPSVTLFPSSSEELQANKATLVCLISDFYGAVTVMKADSSPVKAGVETTTSKQ 189
QY 61 SNNKYAASVLSLTPEQMKSHRSYSCVTHEGSTVEKTVAPTCS 105
DB 190 SNNKYAASVLSLTPEQMKSHRSYSCVTHEGSTVEKTVAPTCS 234

RESULT 11
US-09-526-098-2
Sequence 2, Application US/09526098
Patent No. 6492134
GENERAL INFORMATION:
APPLICANT: Anderson, Darrell R.
TITLE OF INVENTION: "MONKEY MONOCLONAL ANTIBODIES SPECIFIC
TO HUMAN B7.1 AND/OR B7.2 PRIMATIZED FORMS THEREOF,
TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS
TITLE OF INVENTION: IMMUNOSUPPRESSANTS"
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince Street
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
```

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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/526,098
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/383,916
FILING DATE:
FILING DATE: 07-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-131
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 234 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-526-098-2

Query Match 100.0%; Score 548; DB 2; Length 234;
Best Local Similarity 100.0%; Pred. No. 7.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QPKAPSVTLFPSSSEELQANKATLVCLISDFYGAVTVMKADSSPVKAGVETTTSKQ 60
DB 130 QPKAPSVTLFPSSSEELQANKATLVCLISDFYGAVTVMKADSSPVKAGVETTTSKQ 189
QY 61 SNNKYAASVLSLTPEQMKSHRSYSCVTHEGSTVEKTVAPTCS 105
DB 190 SNNKYAASVLSLTPEQMKSHRSYSCVTHEGSTVEKTVAPTCS 234

RESULT 12
US-09-383-916-2
Sequence 2, Application US/09383916
Patent No. 6703654
GENERAL INFORMATION:
APPLICANT: Anderson, Darrell R.
TITLE OF INVENTION: "MONKEY MONOCLONAL ANTIBODIES SPECIFIC
TO HUMAN B7.1 AND/OR B7.2 PRIMATIZED FORMS THEREOF,
TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS
TITLE OF INVENTION: IMMUNOSUPPRESSANTS"
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince Street
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/383,916
FILING DATE: 26-AUG-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/487,550
FILING DATE: 07-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-131
```

TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 234 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-383-916-2

Query Match 100.0%; Score 548; DB 2; Length 234;
Best Local Similarity 100.0%; Pred. No. 7.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QPKAPSVTLFPSSSELOANKATLVCLISDFPGAVTAMKADSSPVKAGVETTPSKQ 60
DB 130 QPKAPSVTLFPSSSELOANKATLVCLISDFPGAVTAMKADSSPVKAGVETTPSKQ 189

QY 61 SNNKYAASSYSLTPQWKSRSYSCOVTHGSTEKTVAPTECS 105
DB 190 SNNKYAASSYSLTPQWKSRSYSCOVTHGSTEKTVAPTECS 234

RESULT 13
US-09-758-173-2

Sequence 2, Application US/0958173
Patent No. 6893638

GENERAL INFORMATION:
APPLICANT: Anderson, Darrell R.

TITLE OF INVENTION: "MONKEY MONOCLONAL ANTIBODIES SPECIFIC
TO HUMAN B7.1 AND/OR B7.2 PRIMATIZED FORMS THEREOF,

TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS
NUMBER OF SEQUENCES: 12

CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS

STREET: 699 Prince Street
CITY: Alexandria

STATE: VA
COUNTRY: USA

ZIP: 22314

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/758,173

FILING DATE:
CLASSIFICATION:

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/383,916

FILING DATE:
APPLICATION NUMBER: US 08/487,550

FILING DATE: 07-JUN-1995
ATTORNEY/AGENT INFORMATION:

NAME: Teekin, Robin L.
REGISTRATION NUMBER: 35,030

REFERENCE/DOCKET NUMBER: 012712-131
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620

TELEFAX: 703-836-2021

INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:

LENGTH: 234 amino acids
TYPE: amino acid

TOPOLOGY: linear
MOLECULE TYPE: protein

US-09-758-173-2

Query Match 100.0%; Score 548; DB 2; Length 234;
Best Local Similarity 100.0%; Pred. No. 7.6e-55;

Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QPKAPSVTLFPSSSELOANKATLVCLISDFPGAVTAMKADSSPVKAGVETTPSKQ 60
DB 130 QPKAPSVTLFPSSSELOANKATLVCLISDFPGAVTAMKADSSPVKAGVETTPSKQ 189

QY 61 SNNKYAASSYSLTPQWKSRSYSCOVTHGSTEKTVAPTECS 105
DB 190 SNNKYAASSYSLTPQWKSRSYSCOVTHGSTEKTVAPTECS 234

RESULT 14
US-09-576-424-2

Sequence 2, Application US/09576424
Patent No. 6926895

GENERAL INFORMATION:
APPLICANT: ANDERSON, DARRELL R.

APPLICANT: HANNA, NABIL
APPLICANT: BRAMS, PETER

APPLICANT: HEARD, CHERYL
TITLE OF INVENTION: IDENTIFICATION OF UNIQUE BINDING INTERACTIONS BETWEEN

TITLE OF INVENTION: CERTAIN ANTIBODIES AND THE HUMAN B7.1 AND B7.2
FILE REFERENCE: 37003-275681

CURRENT APPLICATION NUMBER: US/09/576,424
CURRENT FILING DATE: 2000-05-22

PRIOR APPLICATION NUMBER: PCT/US97/19906
PRIOR FILING DATE: 1997-10-29

PRIOR FILING DATE: 08/746,361
PRIOR FILING DATE: 1996-11-08

PRIOR APPLICATION NUMBER: 08/487,550
PRIOR FILING DATE: 1995-06-07

NUMBER OF SEQ ID NOS: 12
SOFTWARE: Patent In Ver. 2.1

SEQ ID NO 2
LENGTH: 234

TYPE: PRT
ORGANISM: Homo sapiens

US-09-576-424-2

Query Match 100.0%; Score 548; DB 2; Length 234;
Best Local Similarity 100.0%; Pred. No. 7.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QPKAPSVTLFPSSSELOANKATLVCLISDFPGAVTAMKADSSPVKAGVETTPSKQ 60
DB 130 QPKAPSVTLFPSSSELOANKATLVCLISDFPGAVTAMKADSSPVKAGVETTPSKQ 189

QY 61 SNNKYAASSYSLTPQWKSRSYSCOVTHGSTEKTVAPTECS 105
DB 190 SNNKYAASSYSLTPQWKSRSYSCOVTHGSTEKTVAPTECS 234

RESULT 15
US-08-939-939-12

Sequence 12, Application US/08378939
Patent No. 5876961

GENERAL INFORMATION:
APPLICANT: CROME, JAMES SCOTT

APPLICANT: LEWIS, ALAN PETER
TITLE OF INVENTION: PRODUCTION OF ANTIBODIES

NUMBER OF SEQUENCES: 46
CORRESPONDENCE ADDRESS:

ADDRESSEE: ROTHWELL, FIGG, ERNST & KURZ
STREET: 555 THIRTEENTH ST. N.W.

CITY: WASHINGTON
STATE: D. C.

COUNTRY: U. S.
ZIP: 20004

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/378,939
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/952640
FILING DATE: 01-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: ERNST, BARBARA G
REGISTRATION NUMBER: 30,377
REFERENCE/DOCKET NUMBER: 1808-118
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 783-6040
TELEFAX: (202) 783-6031
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 235 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-378-939-12

Query Match 100.0%; Score 548; DB 1; Length 235;
Best Local Similarity 100.0%; Pred. No. 7.7e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	QPKAPSVTLFPSSSEELQANKATLVCLISDFYPGAVTVAMKADSSPKAGVETTTPSKQ	60
DB	131	QPKAPSVTLFPSSSEELQANKATLVCLISDFYPGAVTVAMKADSSPKAGVETTTPSKQ	190
QY	61	SNNKYAASSTYLSLTPEQMKSHRSYSCQVTHGSGTVEKTVAPTECS	105
DB	191	SNNKYAASSTYLSLTPEQMKSHRSYSCQVTHGSGTVEKTVAPTECS	235

Search completed: June 28, 2006, 17:38:57
Job time: 13.7601 secs

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Thu Jun 29 08:43:29 2006

GenCore version 5.1.9
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: June 28, 2006, 17:39:20 ; Search time 46.7843 Seconds
(without alignments)
1039.613 Million cell updates/sec

Title: US-10-687-118-5

Perfect score: 548
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Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2097797 seqs, 463214858 residues

Total number of hits satisfying chosen parameters: 2097797

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

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 - 5: /EMC_Celerra_SIDS3/prodata/2/pubppaa/US10B_PUBCOMB.pep:*
 - 6: /EMC_Celerra_SIDS3/prodata/2/pubppaa/US11_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	548	100.0	105	4	US-10-404-286-6 Sequence 6, Appli
3	548	100.0	105	5	US-10-822-300-5 Sequence 5, Appli
4	548	100.0	105	5	US-10-687-118-5 Sequence 5, Appli
5	548	100.0	105	5	US-10-891-972-172 Sequence 12, App
6	548	100.0	105	5	US-10-706-689-5 Sequence 5, Appli
7	548	100.0	105	5	US-10-988-360-5 Sequence 5, Appli
8	548	100.0	105	6	US-11-030-836-47 Sequence 47, Appli
9	548	100.0	105	6	US-11-090-846-47 Sequence 47, Appli
10	548	100.0	105	6	US-11-090-847-47 Sequence 47, Appli
11	548	100.0	105	6	US-11-025-712-6 Sequence 62, Appli
12	548	100.0	105	6	US-11-102-621-5 Sequence 5, Appli
13	548	100.0	105	6	US-10-269-805-64 Sequence 64, Appli
14	548	100.0	106	4	US-10-688-925-51 Sequence 51, Appli
15	548	100.0	106	4	US-10-741-481-43 Sequence 43, Appli
16	548	100.0	106	5	US-10-798-380-39 Sequence 39, Appli
17	548	100.0	106	5	US-10-982-440-64 Sequence 64, Appli
18	548	100.0	106	6	US-11-201-825-53 Sequence 53, Appli
19	548	100.0	109	3	US-09-925-664-51 Sequence 51, Appli
20	548	100.0	109	3	US-09-925-664-51 Sequence 51, Appli
21	548	100.0	111	4	US-10-272-899A-14 Sequence 14, Appli
22	548	100.0	137	4	US-10-272-899A-68 Sequence 68, Appli
23	548	100.0	214	3	US-09-972-656-96 Sequence 96, Appli
24	548	100.0	216	3	US-09-736-371B-19 Sequence 19, Appli
25	548	100.0	216	4	US-10-463-442-19 Sequence 88, Appli
26	548	100.0	217	3	US-09-972-656-88

28	548	100.0	218	3	US-09-791-153A-51 Sequence 51, Appli
29	548	100.0	231	4	US-10-291-265-783 Sequence 283, App
30	548	100.0	231	4	US-10-693-629-58 Sequence 58, Appli
31	548	100.0	231	6	US-11-000-463-283 Sequence 283, Appli
32	548	100.0	232	4	US-10-225-108A-12 Sequence 12, Appli
33	548	100.0	232	4	US-10-291-265-755 Sequence 755, App
34	548	100.0	232	4	US-10-461-148-6 Sequence 755, App
35	548	100.0	232	6	US-11-000-463-755 Sequence 755, App
36	548	100.0	233	4	US-10-211-357-6 Sequence 6, Appli
37	548	100.0	233	4	US-10-479-284-29 Sequence 29, Appli
38	548	100.0	233	5	US-10-723-860-27 Sequence 27, Appli
39	548	100.0	234	3	US-09-758-173-2 Sequence 2, Appli
40	548	100.0	234	3	US-09-948-429B-2 Sequence 2, Appli
41	548	100.0	234	4	US-10-124-905-2 Sequence 2, Appli
42	548	100.0	234	4	US-10-124-897-2 Sequence 2, Appli
43	548	100.0	234	4	US-10-231-532-2 Sequence 2, Appli
44	548	100.0	234	5	US-10-986-780-2 Sequence 2, Appli
45	548	100.0	234	5	US-10-450-763-53443 Sequence 53443, A

ALIGNMENTS

RESULT 1
US-09-811-384-6
Sequence 6, Application US/09811384
Patent No. US20020081294A1
GENERAL INFORMATION:
APPLICANT: Bednar, Martin M.
Thomas, G. Roger
Gross, Cordell E.
TITLE OF INVENTION: ANTI-CD18 ANTIBODIES IN STROKE
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 MB floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/811,384
FILING DATE: 20-Dec-2000
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/251652
FILING DATE: 17-FEB-2000
APPLICATION NUMBER: 08/788800
FILING DATE: 22-JAN-1997
APPLICATION NUMBER: 60/093038
FILING DATE: 23-JAN-1996
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P1729C1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-5530
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 105 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-09-811-384-6
Query Match 100.0%; Score 548; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.2e-49;

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Oy	1	OPKAPASVTLPPSEEELOANKATVLCISIPYRGAVVYANKADSSPKKAGVETTPSKQ	60			
Db	1	QPKAPASVTLPPSEEELOANKATVLCISIDPYRGAVVYANKADSSPKKAGVETTPSKQ	60			
Oy	61	SNKKYAASSVSLTLPQWKSHRSVCQVTHGCSITVEKTVAPTECS	105			
Db	61	SNKKYAASSVSLTLPQWKSHRSVCQVTHGCSITVEKTVAPTECS	105			

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APPLICANT: Winter, Ralph Raymond
TITLE OF INVENTION: HUMAN ANTIBODY MOLECULES FOR IL-13
FILE REFERENCE: 05569.0008.NPUS03
CURRENT FILING DATE: 2004-07-15
PRIOR FILING DATE: 2004-07-15
PRIOR APPLICATION NUMBER: US 60/487,512
PRIOR FILING DATE: 2003-07-15
PRIOR APPLICATION NUMBER: US 60/558,216
PRIOR FILING DATE: 2004-03-31
PRIOR APPLICATION NUMBER: US 60/573,791
PRIOR FILING DATE: 2004-05-24
PRIOR APPLICATION NUMBER: GB 0407315.1
PRIOR FILING DATE: 2004-03-31
NUMBER OF SEQ ID NOS: 172
SOFTWARE: PatentIn version 3.3
SEQ ID NO 172
LENGTH: 105
TYPE: PRT
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION: CL DOMAIN
US-10-891-972-172
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Query Match          100.0%; Score 548; DB 5; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.2e-49;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 QPKAPSVTLFPSSSEELQANKATLVCLISDFYPGAVTVAMKADSSPVKAGVETTTPSKQ 60
DB 1 QPKAPSVTLFPSSSEELQANKATLVCLISDFYPGAVTVAMKADSSPVKAGVETTTPSKQ 60
61 SNKKYAASSTYLSLTPEQMKSHRSYSCQVTHEGSTVEKTVAPTCS 105
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RESULT 6

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US-10-706-689-5
Sequence 5, Application US/10706689
Publication No. US20050100965A1
GENERAL INFORMATION:
APPLICANT: Chayur, Tariq
APPLICANT: Labkovsky, Boris
APPLICANT: Voss, Jeffrey
APPLICANT: Green, Larry
APPLICANT: Babcock, John
APPLICANT: Jia, Xiao-chi
APPLICANT: Wieleter, James
APPLICANT: Kang, Paul
APPLICANT: Hegberg, Brad
TITLE OF INVENTION: IL-18 Binding Proteins
FILE REFERENCE: BBC-085
CURRENT APPLICATION NUMBER: US/10/706,689
CURRENT FILING DATE: 2003-11-12
NUMBER OF SEQ ID NOS: 47
SEQ ID NO 5
LENGTH: 105
TYPE: PRT
ORGANISM: Homo sapiens
US-10-706-689-5
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Query Match          100.0%; Score 548; DB 5; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.2e-49;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DB 1 QPKAASVTILFPSSSEELQANKATLVCLISDFYPGAVTVAMKADSSPVKAGVETTTPSKQ 60
61 SNKKYAASSTYLSLTPEQMKSHRSYSCQVTHEGSTVEKTVAPTCS 105
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RESULT 7
US-10-988-360-5
Sequence 5, Application US/10988360
Publication No. US20050147610A1
GENERAL INFORMATION:
APPLICANT: Chayur, Tariq
APPLICANT: Labkovsky, Boris
APPLICANT: Voss, Jeffrey
APPLICANT: Green, Larry
APPLICANT: Babcock, John
APPLICANT: Jia, Xiao-chi
APPLICANT: Wieleter, James
APPLICANT: Kang, Paul
APPLICANT: Hegberg, Brad
TITLE OF INVENTION: IL-18 Binding Proteins
FILE REFERENCE: BBC-085US
CURRENT APPLICATION NUMBER: US/10/988,360
CURRENT FILING DATE: 2004-11-12
NUMBER OF SEQ ID NOS: 47
SEQ ID NO 5
LENGTH: 105
TYPE: PRT
ORGANISM: Homo sapiens
US-10-988-360-5
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Query Match          100.0%; Score 548; DB 5; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.2e-49;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DB 1 QPKAPSVTLFPSSSEELQANKATLVCLISDFYPGAVTVAMKADSSPVKAGVETTTPSKQ 60
61 SNKKYAASSTYLSLTPEQMKSHRSYSCQVTHEGSTVEKTVAPTCS 105
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RESULT 8

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US-11-090-836-47
Sequence 47, Application US/11090836
Publication No. US20050214288A1
GENERAL INFORMATION:
APPLICANT: Bell, et al.
TITLE OF INVENTION: Antibodies Against Nogo Receptor
FILE REFERENCE: PR610
CURRENT APPLICATION NUMBER: US/11/090,836
CURRENT FILING DATE: 2005-03-25
PRIOR APPLICATION NUMBER: US 60/556,443
PRIOR FILING DATE: 2004-03-26
NUMBER OF SEQ ID NOS: 49
SOFTWARE: PatentIn version 3.2
SEQ ID NO 47
LENGTH: 105
TYPE: PRT
ORGANISM: Homo sapiens
US-11-090-836-47
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Query Match          100.0%; Score 548; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.2e-49;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DB 1 QPKAASVTILFPSSSEELQANKATLVCLISDFYPGAVTVAMKADSSPVKAGVETTTPSKQ 60
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RESULT 9

TYPE: PRT
ORGANISM: Homo sapiens
US-11-075-351-62

Query Match
Best Local Similarity 100.0%; Score 548; DB 6; Length 105;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QPKAPSVTLPPPSSEELQANKATLVCLISDFYPGAVTVAMKADSSPYKAGVETTTPSKQ 60
DB 1 QPKAPSVTLPPPSSEELQANKATLVCLISDFYPGAVTVAMKADSSPYKAGVETTTPSKQ 60
QY 61 SNNKYAASSYSLTPPEQWKSHRSYSCQVTHGSTEKTVAPTECS 105
DB 61 SNNKYAASSYSLTPPEQWKSHRSYSCQVTHGSTEKTVAPTECS 105

RESULT 13

US-11-102-621-5
Sequence 5, Application US/11102621
Publication No. US20050276799A1
GENERAL INFORMATION:
APPLICANT: Protein Design Labs, Inc.
APPLICANT: Hinton, Paul R.
APPLICANT: Tsunashita, Naoya
APPLICANT: Tso, J. Yun
APPLICANT: Vasquez, Maximiliano
TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
TITLE OF INVENTION: ANTIBODIES BY MUTAGENESIS
FILE REFERENCE: 05882, 0039, 00FC03
CURRENT APPLICATION NUMBER: US/11/102, 621
PRIOR FILING DATE: 2005-04-08
PRIOR APPLICATION NUMBER: US 10/822,300
PRIOR FILING DATE: 2004-04-09
NUMBER OF SEQ ID NOS: 146
SOFTWARE: PatentIn version 3.2
SEQ ID NO 5
LENGTH: 105
TYPE: PRT
ORGANISM: Homo sapiens
US-11-102-621-5

Query Match
Best Local Similarity 100.0%; Score 548; DB 6; Length 105;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 QPKAPSVTLPPPSSEELQANKATLVCLISDFYPGAVTVAMKADSSPYKAGVETTTPSKQ 60
QY 61 SNNKYAASSYSLTPPEQWKSHRSYSCQVTHGSTEKTVAPTECS 105
DB 61 SNNKYAASSYSLTPPEQWKSHRSYSCQVTHGSTEKTVAPTECS 105

RESULT 14

US-10-269-805-64
Sequence 64, Application US/10269805
Publication No. US20030124129A1
GENERAL INFORMATION:
APPLICANT: OLIVER, JONATHAN D.
TITLE OF INVENTION: ANGIOPOIETIN-2 SPECIFIC BINDING AGENTS
FILE REFERENCE: A-722
CURRENT APPLICATION NUMBER: US/10/269, 805
PRIOR FILING DATE: 2002-10-10
PRIOR APPLICATION NUMBER: US 60/328, 604
PRIOR FILING DATE: 2001-10-11
NUMBER OF SEQ ID NOS: 76
SOFTWARE: PatentIn version 3.1
SEQ ID NO 64
LENGTH: 106
TYPE: PRT
ORGANISM: Homo sapiens

US-10-269-805-64

Query Match
Best Local Similarity 100.0%; Score 548; DB 4; Length 106;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QPKAPSVTLPPPSSEELQANKATLVCLISDFYPGAVTVAMKADSSPYKAGVETTTPSKQ 60
DB 2 QPKAPSVTLPPPSSEELQANKATLVCLISDFYPGAVTVAMKADSSPYKAGVETTTPSKQ 61
QY 61 SNNKYAASSYSLTPPEQWKSHRSYSCQVTHGSTEKTVAPTECS 105
DB 62 SNNKYAASSYSLTPPEQWKSHRSYSCQVTHGSTEKTVAPTECS 106

RESULT 15

US-10-688-925-51
Sequence 51, Application US/10688925
Publication No. US20040142382A1
GENERAL INFORMATION:
APPLICANT: Veldman, Geertuida et al.
TITLE OF INVENTION: NEUTRALIZING ANTIBODIES AGAINST GDF 8 AND USES THEREFOR
FILE REFERENCE: 08702, 0020-00000
CURRENT APPLICATION NUMBER: US/10/688, 925
PRIOR FILING DATE: 2003-10-21
NUMBER OF SEQ ID NOS: 54
SOFTWARE: PatentIn version 3.1
SEQ ID NO 51
LENGTH: 106
TYPE: PRT
ORGANISM: Homo sapiens
US-10-688-925-51

Query Match
Best Local Similarity 100.0%; Score 548; DB 4; Length 106;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 2 QPKAPSVTLPPPSSEELQANKATLVCLISDFYPGAVTVAMKADSSPYKAGVETTTPSKQ 61
QY 61 SNNKYAASSYSLTPPEQWKSHRSYSCQVTHGSTEKTVAPTECS 105
DB 62 SNNKYAASSYSLTPPEQWKSHRSYSCQVTHGSTEKTVAPTECS 106

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Job time : 47.7843 secs

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GenCore version 5.1.9
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

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(without alignments)
755.830 Million cell updates/sec

Title: US-10-687-118-5

Perfect score: 548
Sequence: 1 QPKAPSVTLFPPSSSELQAK.....COVTHEGSTVEKTVAPTECS 105

Scoring table: BIOSUM62
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Total number of hits satisfying chosen parameters: 103426

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

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5: /EMC_Celerra_SIDS3/pcodata/2/pubppaa/PCT_NEW_PUB.pap:*
6: /EMC_Celerra_SIDS3/pcodata/2/pubppaa/US10_NEW_PUB.pap:*
7: /EMC_Celerra_SIDS3/pcodata/2/pubppaa/US11_NEW_PUB.pap:*
8: /EMC_Celerra_SIDS3/pcodata/2/pubppaa/US60_NEW_PUB.pap:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	548	100.0	243	6	US-10-559-236-4 Sequence 4, Appl
3	545	99.5	213	7	US-11-254-182-52 Sequence 52, Appl
4	545	99.5	213	7	US-11-254-182-54 Sequence 54, Appl
5	537.5	98.1	107	6	US-10-953-613C-1021 Sequence 1021, Ap
6	537.5	98.1	107	7	US-11-091-234A-41 Sequence 41, Appl
7	525	95.8	153	7	US-11-293-697-4089 Sequence 4089, Ap
8	517	94.3	103	7	US-11-295-006-13 Sequence 13, Appl
9	216.5	39.5	206	1	US-09-784-950-19 Sequence 19, Appl
10	216.5	39.5	218	7	US-11-075-891-1 Sequence 1, Appl
11	211.5	38.6	208	6	US-10-506-063A-20 Sequence 20, Appl
12	211.5	38.6	214	7	US-11-197-665-82 Sequence 82, Appl
13	211.5	38.6	218	6	US-10-506-063A-12 Sequence 12, Appl
14	211.5	38.6	234	7	US-11-197-665-10 Sequence 10, Appl
15	208.5	38.0	105	7	US-11-295-006-11 Sequence 11, Appl
16	208.5	38.0	106	7	US-11-221-802-26 Sequence 26, Appl
17	208.5	38.0	106	6	US-11-186-917A-186 Sequence 186, App
18	208.5	38.0	107	6	US-10-983-104-7 Sequence 7, Appl
19	208.5	38.0	107	6	US-10-953-613C-1020 Sequence 1020, Ap
20	208.5	38.0	107	7	US-11-091-234A-40 Sequence 40, Appl
21	208.5	38.0	107	7	US-11-219-563-134 Sequence 134, App
22	208.5	38.0	107	7	US-11-281-140-43 Sequence 43, Appl
23	208.5	38.0	107	6	US-11-256-060-9 Sequence 9, Appl
24	208.5	38.0	213	6	US-10-515-429-73 Sequence 73, Appl
25	208.5	38.0	213	6	US-10-515-429-74 Sequence 74, Appl

26	208.5	38.0	213	7	US-11-254-182-63 Sequence 63, Appl
27	208.5	38.0	213	7	US-11-254-182-64 Sequence 64, Appl
28	208.5	38.0	213	7	US-11-106-762-3 Sequence 3, Appl
29	208.5	38.0	213	7	US-11-106-762-24 Sequence 24, Appl
30	208.5	38.0	213	7	US-11-106-762-33 Sequence 33, Appl
31	208.5	38.0	213	7	US-11-106-762-35 Sequence 35, Appl
32	208.5	38.0	213	7	US-11-106-762-38 Sequence 38, Appl
33	208.5	38.0	213	7	US-11-238-281-13 Sequence 13, Appl
34	208.5	38.0	213	7	US-11-238-281-18 Sequence 28, Appl
35	208.5	38.0	213	7	US-11-238-281-28 Sequence 28, Appl
36	208.5	38.0	213	7	US-11-263-230-209 Sequence 209, App
37	208.5	38.0	213	7	US-11-263-230-211 Sequence 211, App
38	208.5	38.0	213	7	US-11-263-230-213 Sequence 213, App
39	208.5	38.0	213	7	US-11-263-230-215 Sequence 215, App
40	208.5	38.0	213	7	US-11-263-230-217 Sequence 217, App
41	208.5	38.0	213	7	US-11-263-230-219 Sequence 219, App
42	208.5	38.0	213	7	US-11-263-230-221 Sequence 221, App
43	208.5	38.0	213	7	US-11-263-230-223 Sequence 223, App
44	208.5	38.0	213	7	US-11-263-230-225 Sequence 225, App
45	208.5	38.0	213	7	US-11-263-230-227 Sequence 227, App

ALIGNMENTS

```
RESULT 1
US-11-337-300-478
Sequence 478, Application US/11337300
Publication No. US20060121580A1
GENERAL INFORMATION:
APPLICANT: Crucell Holland B.V.
APPLICANT: ter Meulen, Jan H.
APPLICANT: De Kruif, Cornelis A.
APPLICANT: van den Brink, Edward N.
TITLE OF INVENTION: Binding molecules against SARS-coronavirus and uses thereof
FILE REFERENCE: 0091 WO 00 ORD
CURRENT APPLICATION NUMBER: US/11/337,300
CURRENT FILING DATE: 2006-01-20
NUMBER OF SEQ ID NOS: 478
SOFTWARE: PatentIn version 3.1
SEQ ID NO 478
LENGTH: 214
TYPE: PRT
ORGANISM: Artificial sequence
FEATURE:
OTHER INFORMATION: Igg light chain of 03-015
US-11-337-300-478

Query Match      100.0%; Score 548; DB 7; Length 214;
Best Local Similarity 100.0%; Pred. No. 3.1e-47;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 QPKAPSVTLFPPSSSELQANKATVLCISDFYAGATVAMKADSSPVKAGVETTPSKQ 60
Db      110 QPKAPSVTLFPPSSSELQANKATVLCISDFYAGATVAMKADSSPVKAGVETTPSKQ 169
QY      61 SNNKYAASVSLTLPBOWKSHRSYSCOVTHEGSTVEKTVAPTECS 105
Db      170 SNNKYAASVSLTLPBOWKSHRSYSCOVTHEGSTVEKTVAPTECS 214

RESULT 2
US-10-559-236-4
Sequence 4, Application US/10559236
Publication No. US20060134099A1
GENERAL INFORMATION:
APPLICANT: Thomas Jefferson University
APPLICANT: University of Oxford
APPLICANT: Hillary Koproweki
APPLICANT: Kistung Ko
APPLICANT: Pauline Rudd
TITLE OF INVENTION: Production of Rabies Antibodies in
```

```

; TITLE OF INVENTION: Plants
; FILE REFERENCE: 08321-0142 PC1
; CURRENT APPLICATION NUMBER: US/10/559,236
; CURRENT FILING DATE: 2005-12-02
; PRIOR APPLICATION NUMBER: 60/475,376
; PRIOR FILING DATE: 2003-06-02
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 243
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-559-236-4
```

Query Match 100.0%; Score 548; DB 6; Length 243;

Best Local Similarity 100.0%; Pred. No. 3.6e-47; Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 QPKAASVTLFPSSSELOANKATLVCLISDFPGAVTAMKADSSPVKAGVETTPSKQ 60
    |||||
DB 138 QPKAASVTLFPSSSELOANKATLVCLISDFPGAVTAMKADSSPVKAGVETTPSKQ 197
    |||||
QY 61 SNNKYAASVTLSTPEQWKSHRSYSCQVTHEGSTVEKTVAPTECS 105
    |||||
DB 198 SNNKYAASVTLSTPEQWKSHRSYSCQVTHEGSTVEKTVAPTECS 242
    |||||
```

RESULT 3

```

US-11-254-182-52
; Sequence 52, Application US/11254182
; Publication No. US20060088523A1
; GENERAL INFORMATION:
; APPLICANT: ANDYA, JAMES
; APPLICANT: GWEE, SHIANG C.
; APPLICANT: LIU, JUN
; APPLICANT: SHEN, YE
; TITLE OF INVENTION: ANTIBODY FORMULATIONS
; FILE REFERENCE: P2104R1
; CURRENT APPLICATION NUMBER: US/11/254,182
; CURRENT FILING DATE: 2005-10-19
; PRIOR APPLICATION NUMBER: US 60/620,413
; PRIOR FILING DATE: 2004-10-20
; NUMBER OF SEQ ID NOS: 74
; SEQ ID NO 52
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Sequence is synthesized.
US-11-254-182-52
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Query Match 99.5%; Score 545; DB 7; Length 213;

Best Local Similarity 99.0%; Pred. No. 6.1e-47; Matches 104; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

```
QY 1 QPKAASVTLFPSSSELOANKATLVCLISDFPGAVTAMKADSSPVKAGVETTPSKQ 60
    |||||
DB 109 QPKAASVTLFPSSSELOANKATLVCLISDFPGAVTAMKADSSPVKAGVETTPSKQ 168
    |||||
QY 61 SNNKYAASVTLSTPEQWKSHRSYSCQVTHEGSTVEKTVAPTECS 105
    |||||
DB 169 SNNKYAASVTLSTPEQWKSHRSYSCQVTHEGSTVEKTVAPTECS 213
    |||||
```

RESULT 4

```

US-11-254-182-54
; Sequence 54, Application US/11254182
; Publication No. US20060088523A1
; GENERAL INFORMATION:
; APPLICANT: ANDYA, JAMES
; APPLICANT: GWEE, SHIANG C.
; APPLICANT: LIU, JUN
; APPLICANT: SHEN, YE
```

```

; TITLE OF INVENTION: ANTIBODY FORMULATIONS
; FILE REFERENCE: P2104R1
; CURRENT APPLICATION NUMBER: US/11/254,182
; CURRENT FILING DATE: 2005-10-19
; PRIOR APPLICATION NUMBER: US 60/620,413
; PRIOR FILING DATE: 2004-10-20
; NUMBER OF SEQ ID NOS: 74
; SEQ ID NO 54
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Sequence is synthesized.
US-11-254-182-54
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Query Match 99.5%; Score 545; DB 7; Length 213;

Best Local Similarity 99.0%; Pred. No. 6.1e-47; Matches 104; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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QY 1 QPKAASVTLFPSSSELOANKATLVCLISDFPGAVTAMKADSSPVKAGVETTPSKQ 60
    |||||
DB 109 QPKAASVTLFPSSSELOANKATLVCLISDFPGAVTAMKADSSPVKAGVETTPSKQ 168
    |||||
QY 61 SNNKYAASVTLSTPEQWKSHRSYSCQVTHEGSTVEKTVAPTECS 105
    |||||
DB 169 SNNKYAASVTLSTPEQWKSHRSYSCQVTHEGSTVEKTVAPTECS 213
    |||||
```

RESULT 5

```

US-10-953-613C-1021
; Sequence 1021, Application US/10953613C
; Publication No. US20060127404A1
; GENERAL INFORMATION:
; APPLICANT: Huang, Chichi;Heavner, George;Knight, David;Chravet, John;Seallon;
; APPLICANT: Bernard;Nespor; Thomas
; TITLE OF INVENTION: HINCE CORE MIMETOBODIES, COMPOSITIONS, METHODS AND USES
; FILE REFERENCE: CENS038 NP
; CURRENT APPLICATION NUMBER: US/10/953,613C
; CURRENT FILING DATE: 2004-09-29
; PRIOR APPLICATION NUMBER: 60/507,231
; PRIOR FILING DATE: 2003-09-30
; NUMBER OF SEQ ID NOS: 1021
; SOFTWARE: PatentIn Ver 3.0
; SEQ ID NO 1021
; LENGTH: 107
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(107)
; OTHER INFORMATION: Light chain lambda constant region (Iglambda)
US-10-953-613C-1021
```

Query Match 98.1%; Score 537.5; DB 6; Length 107;

Best Local Similarity 99.1%; Pred. No. 1.5e-46; Matches 105; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

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QY 1 QPKAASVTLFPSSSELOANKATLVCLISDFPGAVTAMKADSSPVKAGVETTPSKQ 60
    |||||
DB 2 QPKAASVTLFPSSSELOANKATLVCLISDFPGAVTAMKADSSPVKAGVETTPSKQ 61
    |||||
QY 61 SNNKYAASVTLSTPEQWKSHR-SYSCQVTHEGSTVEKTVAPTECS 105
    |||||
DB 62 SNNKYAASVTLSTPEQWKSHRSYSCQVTHEGSTVEKTVAPTECS 107
    |||||
```

RESULT 6

```

US-11-091-234A-41
; Sequence 41, Application US/11091234A
; Publication No. US20060088645A1
; GENERAL INFORMATION:
; APPLICANT: Lu, Jin
; TITLE OF INVENTION: METHOD AND APPARATUS FOR ANALYZING AND GENERATING
```

```

; TITLE OF INVENTION: HUMAN ANTIBODY AMINO ACID AND NUCLEIC ACID SEQUENCES
; FILE REFERENCE: CENS052NP
; CURRENT APPLICATION NUMBER: US/11/091,234A
; PRIOR FILING DATE: 2005-03-28
; PRIOR APPLICATION NUMBER: 60/558,090
; PRIOR FILING DATE: 2004-03-31
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 41
; LENGTH: 107
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(107)
; OTHER INFORMATION: Light chain lambda constant region (Iglambda)
US-11-091-234A-41

Query Match
Best Local Similarity 98.1%; Score 537.5; DB 7; Length 107;
Matches 105; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

Qy 1 QPKAPSVTLFPSSSEELQANKATLVCLISDFYPGAATVAMKADSSPVKAGVETTTPSKQ 60
Db 2 QPKAPSVTLFPSSSEELQANKATLVCLISDFYPGAATVAMKADSSPVKAGVETTTPSKQ 61

Qy 61 SNNKYAASSYLSLTPEQWKSHRSYSCQVTHEGSTVEKTVAPTECS 105
Db 62 SNNKYAASSYLSLTPEQWKSHRSYSCQVTHEGSTVEKTVAPTECS 107

RESULT 7
US-11-293-697-4089
; Sequence 4089, Application US/11293697
; Publication No. US20060105376A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: Novel full length cDNA
; FILE REFERENCE: HL-A0106
; CURRENT APPLICATION NUMBER: US/11/293,697
; PRIOR FILING DATE: 2005-12-05
; PRIOR APPLICATION NUMBER: US/10/108,260
; PRIOR FILING DATE: 2002-03-28
; NUMBER OF SEQ ID NOS: 5458
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4089
; LENGTH: 153
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-293-697-4089

Query Match
Best Local Similarity 95.8%; Score 525; DB 7; Length 153;
Matches 100; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 1 QPKAPSVTLFPSSSEELQANKATLVCLISDFYPGAATVAMKADSSPVKAGVETTTPSKQ 60
Db 49 QPKAPSVTLFPSSSEELQANKATLVCLISDFYPGAATVAMKADSSPVKAGVETTTPSKQ 108

Qy 61 SNNKYAASSYLSLTPEQWKSHRSYSCQVTHEGSTVEKTVAPTECS 105
Db 109 SNNKYAASSYLSLTPEQWKSHRSYSCQVTHEGSTVEKTVAPTECS 153

RESULT 8
US-11-295-006-13
; Sequence 13, Application US/11295006
; Publication No. US20060121604A1
; GENERAL INFORMATION:
; APPLICANT: HANDA, Masahisa
; APPLICANT: HORWITZ, Arnold
; APPLICANT: BAUTISTA, Eddie
; APPLICANT: COTTER, Robyn
```

```

; TITLE OF INVENTION: METHODS AND MATERIALS FOR EXPRESSION OF A
; FILE REFERENCE: 239283
; CURRENT APPLICATION NUMBER: US/11/295,006
; PRIOR FILING DATE: 2005-12-05
; PRIOR APPLICATION NUMBER: US 60/633,056
; PRIOR FILING DATE: 2004-12-03
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 13
; LENGTH: 103
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-11-295-006-13

Query Match
Best Local Similarity 94.3%; Score 517; DB 7; Length 103;
Matches 99; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 3 KAPSVTLFPSSSEELQANKATLVCLISDFYPGAATVAMKADSSPVKAGVETTTPSKQSN 62
Db 1 KAPSVTLFPSSSEELQANKATLVCLISDFYPGAATVAMKADSSPVKAGVETTTPSKQSN 60

Qy 63 NKYAASSYLSLTPEQWKSHRSYSCQVTHEGSTVEKTVAPTECS 105
Db 61 NKYAASSYLSLTPEQWKSHRSYSCQVTHEGSTVEKTVAPTECS 103

RESULT 9
US-09-784-950-19
; Sequence 19, Application US/09784950
; Publication No. US20060104974A1
; GENERAL INFORMATION:
; APPLICANT: Davis, Geoffrey C.
; APPLICANT: Blacher, Russell W.
; APPLICANT: Corvalan, Jose R.
; APPLICANT: Culwell, Alan R.
; APPLICANT: Green, Larry L.
; APPLICANT: Hales, Joanna
; APPLICANT: Havrilla, Nancy
; APPLICANT: Ivanov, Vladimir E.
; APPLICANT: Lapanl, John A.
; APPLICANT: Liu, Qiang
; APPLICANT: Weber, Richard F.
; APPLICANT: Yang, Xiao-Dong
; APPLICANT: Abgenix, Inc.
; TITLE OF INVENTION: CD147 BINDING MOLECULES AS THERAPEUTICS
; FILE REFERENCE: ABX-CBL/CD147
; CURRENT APPLICATION NUMBER: US/09/784,950
; PRIOR FILING DATE: 2001-02-15
; PRIOR APPLICATION NUMBER: PCT/US99/04583
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: 09/034,607
; PRIOR FILING DATE: 1998-03-03
; PRIOR APPLICATION NUMBER: 09/244,253
; PRIOR FILING DATE: 1999-02-03
; NUMBER OF SEQ ID NOS: 105
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 19
; LENGTH: 206
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-784-950-19

Query Match
Best Local Similarity 39.5%; Score 216.5; DB 1; Length 206;
Matches 42; Conservative 26; Mismatches 33; Indels 3; Gaps 2;

Qy 4 AAPSVTLFPSSSEELQANKATLVCLISDFYPGAATVAMKADSSPVKAGVETTTPSKQSN 62
Db 103 AAPSVTLFPSSSEELQANKATLVCLISDFYPGAATVAMKADSSPVKAGVETTTPSKQSN 162

Qy 63 NKYAASSYLSLTPEQWKSHRSYSCQVTHEGST--VEKTVAPTEC 104
```


APPLICANT: LI, Ji
APPLICANT: LU, Hsieng Sen
APPLICANT: SHEN, Wenyan
APPLICANT: RICHARDS, William
TITLE OF INVENTION: ANTIBODIES TO DXK-1
FILE REFERENCE: A-941
CURRENT APPLICATION NUMBER: US/11/197,665
CURRENT FILING DATE: 2005-08-04
PRIOR APPLICATION NUMBER: US 60/598,791
PRIOR FILING DATE: 2004-08-04
NUMBER OF SEQ ID NOS: 94
SOFTWARE: PatentIn version 3.3
SEQ ID NO 10
LENGTH: 234
TYPE: PRT
ORGANISM: Rat
US-11-197-665-10

Query Match 38.6%; Score 211.5; DB 7; Length 234;
Best Local Similarity 40.4%; Pred. No. 5.9e-14;
Matches 42; Conservative 25; Mismatches 34; Indels 3; Gaps 2;

QY 4 AAPSVTLFPPSSEELQANKATLVCLISDFYPGAVTAMKADSSPVKAGV-ETTPPSKQSN 62
DB 131 AAPVSIAPPSTEQLATGAGVCLMNNFYPRDISVKWKIDGERRDGVLDSVTDQDSKD 190
QY 63 NKVAASVYSLTPPEOWKSHRSYSCOVTHE--GSTVEKTVAPTEC 104
DB 191 STYMSSTLSLTKADYKADYKRVACVETHQGLSSPVTKSFNRNRC 234

RESULT 15
US-11-295-006-11
Sequence 11. Application US/11295006
Publication No. US20060121604A1
GENERAL INFORMATION:
APPLICANT: HANDA, Masahisa
APPLICANT: HORWITZ, Arnold
APPLICANT: BAUTISTA, Eddie
APPLICANT: COTTER, Robyn
TITLE OF INVENTION: METHODS AND MATERIALS FOR EXPRESSION OF A
TITLE OF INVENTION: RECOMBINANT PROTEIN
FILE REFERENCE: 239283
CURRENT APPLICATION NUMBER: US/11/295,006
CURRENT FILING DATE: 2005-12-05
PRIOR APPLICATION NUMBER: US 60/633,056
PRIOR FILING DATE: 2004-12-03
NUMBER OF SEQ ID NOS: 17
SOFTWARE: PatentIn version 3.3
SEQ ID NO 11
LENGTH: 105
TYPE: PRT
ORGANISM: Homo Sapiens
US-11-295-006-11

Query Match 38.0%; Score 208.5; DB 7; Length 105;
Best Local Similarity 40.0%; Pred. No. 4.7e-14;
Matches 42; Conservative 27; Mismatches 31; Indels 5; Gaps 3;

QY 4 AAPSVTLFPPSSEELQANKATLVCLISDFYPGAVTAMKADSSPVKAGV-ETTPPSKQSN 61
DB 2 AAPSVFIAPPSEDLQKSGTASVCLNNFYPREAKVQKVDNA-LQSGNSQESVTEQDSK 60
QY 62 NKKYAAASSYSLTPPEOWKSHRSYSCOVTHEG--STVEKTVAPTEC 104
DB 61 DSTYLSSTLSLTKADYKADYKRVACVETHQGLSSPVTKSFNRGEC 105

Search completed: June 28, 2006, 17:40:51
Job time : 3.28125 secs

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